CANADIAN PULP & PAPER ASSOCIATION

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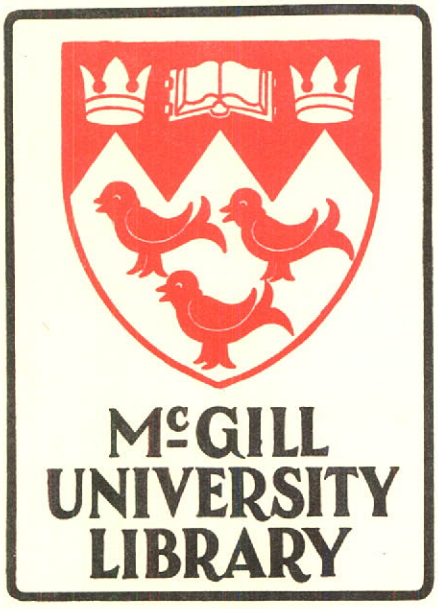

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INDEX

"A" Forests and Pulpwood

Table

1. Forest extent
2. Forest volume
3. Forest consumption
4. Forest holdings
5. Pulpwood production by provinces
6. Depletion and growth
7. Pulpwood production, cords
8. Pulpwood production, value
9. Pulpwood chips exports
10. Wood residue used for making pulp
11. Species of wood used by pulp and paper mills
12. Cords, cubic feet, and board measure

"B" From Wood to Markets

13. Pulpwood supply
14. Pulp supply
15. Shipments by products
16. Wood-pulp use and sale
17. Pulp and paper exports, 1963

"C" Pulp

18. Pulp production and exports
19. Chemical pulp production and exports
20. Chemical pulp exports
21. Pulp exports to U.S., U.K., and others
22. Destination of sulphite and sulphate pulp exports
23. Canadian pulp in U.S. market
24. Average values, U.S. pulp imports from Canada
25. Chemical pulps, paper grades
26. Chemical pulps, dissolving and special alpha
27. Mechanical pulp
28. Defibrated and exploded pulps
29. Other wood-pulps
30. Screenings
31. Sulphite pulp (1920-1955)
32. Sulphate pulp (1920-1955)
33. Consumption of wood-pulp in paper, paperboard, and other board production, by sources
34. Consumption of wood-pulp in paper, paperboard, and other board production, by kinds
35. Wood-pulp imports
36. World wood-pulp production
37. World wood-pulp exports
38. World pulp figures

"D" Newsprint

39. Newsprint capacity, production and shipments
40. Daily capacity and production
41. Overseas shipments
42. Value of newsprint production and exports
43. Newsprint and total Canadian exports to U. S.
44. Value of Canadian newsprint and total pulp and paper production
45. U.S. prices and price indexes
46. Principal newsprint producers overseas
47. U.S. newsprint production
48. U.S. newsprint consumption and stocks
49. Sources of U.S. newsprint supply
50. Consumption by larger newspapers
51. North American newsprint stocks
52. U.S. newspaper circulation
53. U.S. newspaper pages printed
54. U.S. newspaper advertising and total advertising expenditures
55. U.S. advertising expenditures and national income
56. U.S. newspaper, magazine, radio and TV advertising
57. U.S. advertising indexes

"E" Other Paper and Paperboard

58. Production of paperboard, 1944-63
59. Production of other papers and boards, 1944-63
60. Production, tonnage and value, 1920-43
61. Exports, tonnage and value, 1960-63
62. Exports, tonnage and value, 1951-59
63. Exports of paper products, 1961-63
64. Exports of paper products, 1951-60

"F" National Significance

65. Production and national income
66. Exports and Canadian trade
67. Mill locations
68. Growth of industry
69. Production by provinces
70. Capital expenditures
71. Paper production and exports
72. Principal Canadian exports
73. Exports of Canadian products to U.S.
74. Principal statistics by provinces
75. Ten leading Canadian industries
76. Domestic trade
77. Principal statistics, paper converting industries
78. Payrolls and weekly earnings
79. Pulp and paper, and metal mining
80. Employees and wages
81. Capital, employees, and wages
82. Wages paid and numbers employed
83. Principal expenditures
84. Car loadings
85. Purchases of mill supplies
86. Fuel purchased
87. Electricity purchased
88. Power utilization
89. Operations and mills
90. Imports of wood-pulp and paper and paper goods
91. Growth rates of various industries
92. Gross value of Canadian production

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Introduction

These tables annually present a picture of pulp and paper operations, their intimate relationship with the forest resources and the forest crop, and their importance to the economy of Canada.

Every effort has been made to include as many 1963 figures as possible; but in many instances it has been impossible either to obtain the 1963 figures or to provide informed estimates. Particularly is this so of 1963 dollar value figures, many of which will not be available from government sources until the end of 1964.

The tables show that among all Canadian manufacturing industries, pulp and paper continues to rank first in selling value of factory shipments, value added by manufacture, salaries and wages, employment, and exports. They show, too, that pulp and paper and pulpwood account for about one in every ten freight cars loaded in Canada; and that pulp and paper mills consume about one-fifth of all the electric power consumed in Canada.

In the field of foreign trade, the tables show that during 1963, pulp and paper exports amounted to $1,226 million. This was equivalent to 18 per cent of all Canada's domestic exports, and to 26.4 per cent of Canada's exports to the United States.

The publication of these tables has largely been made possible through the kindly aid of L. J. Pouliot, formerly chief of the Forestry Section of the Dominion Bureau of Statistics; and to him grateful acknowledgment is made.

Montreal, August, 1964

The cover photograph, by Jack Cash, is of a forest in British Columbia.

Table 1. Forest Extent — 1963

	Square Miles
Total Land Area of Canada (excluding rivers and lakes)	3,560,238
NET AREA (excluding rivers and lakes)	
Forested Areas of Canada — All of which, save for 275,800 square miles, lies within the ten provinces.	1,710,788
Forested Areas Classed as Unproductive — Small trees in adverse locations not expected to reach merchantable size.	742,842
Productive Forest Areas — About half of the accessible productive forest area bears trees classified as merchantable (4 inches DBH and over); the remainder is young growth.	967,946

Source: Department of Forestry.

Table 2. Forest Volume — 1963

Estimated stands in 000,000's of cubic feet of merchantable timber

	Conifers	Broad-leaved	Total
Newfoundland	13,719	577	14,296
Prince Edward Island	175	75	250
Nova Scotia	6,469	3,313	9,782
New Brunswick	11,948	4,923	16,871
Quebec	84,371	23,761	108,132
Ontario	66,654	44,915	111,569
Manitoba	9,725	3,121	12,846
Saskatchewan	12,681	10,391	23,072
Alberta	30,897	24,063	54,960
British Columbia	357,132	19,787	376,919
Yukon Territory	7,386	1,770	9,156
Northwest Territories	10,120	3,909	14,029
Canada	611,277	140,605	751,882

Source: Department of Forestry.

Table 3. Forest Consumption

Average Annual Depletion 1952-1961

Products Utilized:	000's of cu. ft.	% Utilized	% Depleted
Logs and bolts for domestic use	1,567,877	48.8	42.0
Logs and bolts for export	8,241	0.3	0.2
Pulpwood for domestic use	1,143,622	35.6	30.5
Pulpwood for export	140,021	4.4	3.7
Fuelwood and wood for charcoal	290,084	9.0	7.7
Poles and piling and round mining timber	40,502	1.3	1.1
Miscellaneous	19,365	0.6	0.5
	3,209,712	100.0	85.7
Wastage by Forest Fire	535,048	.....	14.3
	3,744,760	.....	100.0

The figure for depletion does not include wastage caused by agencies other than fire, such as insects, diseases, and natural mortality, for which no reliable estimates are available.

Source: Department of Forestry.

Table 4. Forest Holdings — 1963

NET AREA
(excluding rivers and lakes)

	Total Sq. Miles	%	Productive Sq. Miles	%
Occupied Forest Lands:				
Provincial Crown:				
Leases and licenses	285,812	16.7	214,031	22.1
Permits and sales	4,063	.2	3,963	.4
Other lands	17	*	16	*
	289,892	16.9	218,010	22.5
Federal Crown:				
Leases and licenses	365	*	320	*
Other lands	7,752	.4	3,938	.4
	8,117	.5	4,258	.4
Privately owned:				
Farm woodlots	26,868	1.6	25,274	2.6
Other private lands	69,070	4.0	64,339	6.7
	95,938	5.6	89,613	9.3
Total Occupied Forest Lands	393,947	23.0	311,881	32.2
Unoccupied Forest Lands:				
Provincial Crown	1,021,470	60.0	571,653	59.1
Federal Crown	295,371	17.0	84,412	8.7
Total Unoccupied Forest Lands	1,316,841	77.0	656,065	67.8
Total Forest Lands	1,710,788	100.0	967,946	100.0

*Less than 0.05%.

Source: Department of Forestry.

Table 5. Pulpwood Production by Provinces

	1961 Cords	1962 Cords
Newfoundland	820,665	610,015
Prince Edward Island	25,759	19,724
Nova Scotia	396,821	347,985
New Brunswick	1,125,828	767,894
Quebec	6,763,600	6,042,461
Ontario	3,599,000	3,791,231
Manitoba	156,930	215,000
Saskatchewan	31,634	36,600
Alberta	299,644	295,700
British Columbia	2,254,685	2,488,595
Canada	15,474,266	14,615,205

Source: Dominion Bureau of Statistics.

Table 6. Depletion and Growth 1963

Pulp and Paper Woodlands

The pulp and paper mills lease some 183,000 square miles of forest, from which they obtain each year about nine million cords of wood, or approximately two-thirds of their total requirements.

Scientific measurements all reveal that the overall growth in these leased forests exceeds the cut plus all other losses. This excess of growth serves to increase the standing volume of pulpwood which, in most instances, will render the acreage more productive and so permit larger annual harvests to meet the growing needs of the future.

Source: Woodlands Section, Canadian Pulp and Paper Association.

The National Forests

The inventory of productive forests which cover a quarter of Canada's land area, is nearing completion. Simultaneously, a large quantity of new information relating to growth rates in the productive forests is being assembled. Preliminary estimates indicate that annual growth rates over a considerable portion of the productive forests range as high as 25 to 40 cubic feet per acre. On the other hand, the last available estimates of annual depletion on accessible productive forests averaged about 8 cubic feet per acre, including cutting and losses from fire.

This is not the whole story. This seemingly favourable balance on a national scale is tempered by the following conditions:

1. The annual depletion caused by insects and disease, for which reliable estimates do not exist, is believed to exceed the losses from fire.
2. Regional examples of over-cutting in the more accessible areas indicate that control and adjustment is necessary to bring cut in line with growth potential.
3. Greater costs may be encountered in developing more remote supply areas.

Source: Department of Forestry.

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Table 7. Pulpwood Production — Cords

(All quantities are given in terms of rough or unpeeled wood)

	Production(a)	Consumption(b)	Exports(c)	Imports(d)
1920	4,024,826	2,777,422	1,247,404	
1925	5,092,461	3,668,959	1,423,502	
1930	5,977,183	4,741,349	1,330,466	94,632
1931	5,199,914	4,148,279	1,123,330	71,695
1932	4,222,224	3,647,754	620,124	45,654
1933	4,746,383	4,044,876	718,556	17,049
1934	5,773,970	4,766,604	1,021,285	13,919
1935	6,095,016	5,005,083	1,109,873	19,940
1936	7,002,057	5,775,894	1,235,754	9,591
1937	8,298,165	6,613,639	1,705,031	20,505
1938	6,438,344	4,719,753	1,752,259	33,668
1939	6,899,986	5,386,240	1,539,440	25,694
1940	8,716,541	7,110,754	1,551,600	47,626
1941	8,396,953	7,740,525	1,856,414	81
1942	8,723,259	7,858,494	1,993,667	1,714
1943	8,987,188	7,426,345	1,545,986	2,379
1944	9,643,318	7,336,972	1,509,268	8,209
1945	10,973,094	7,659,899	1,684,421	4,133
1946	12,384,844	8,968,982	1,867,593	16,881
1947	13,657,129	9,751,586	2,001,477	50,508
1948	13,814,988	10,470,687	2,352,552	75,969
1949	10,308,776	10,470,481	1,644,253	5,491
1950	13,424,353	11,434,908	1,782,134	28,220
1951	18,156,282	12,634,426	2,893,615	46,634
1952	14,755,082	11,991,074	2,529,353	31,060
1953	13,545,176	12,109,658	1,783,657	48,805
1954	14,739,565	12,981,008	1,826,193	105,030
1955	16,087,953	13,629,413	1,882,784	134,917
1956	17,469,334	14,031,855	1,953,470	188,144
1957	14,967,604	13,367,088	1,800,411	179,614
1958	12,764,459	12,624,165	1,286,479	146,835
1959	14,357,039	13,535,051	1,107,484	147,766
1960	16,612,238	14,115,996	1,151,899	227,649
1961	15,474,266	14,437,456	1,061,048	206,726
1962	14,615,205	14,911,436	1,224,958	149,884
1963	15,547,019p	14,954,895p	1,113,705	129,719

a: 1920-39, production estimated on the basis of consumption plus exports minus imports; includes small quantities of sawmill chips, slabs and edgings, sawdust, butts and cores. 1940-57, revised data showing actual production; excludes wood-waste used for making pulp.

b: 1920-39, includes small quantities of wood-waste used for making pulp. 1940-57, excludes wood-waste consumption; includes recalculated volumes for B.C. consumption.

c: 1940-57, includes recalculated volumes for B.C. exports; peeled wood volume converted to rough cords.

d: Imports not reported prior to 1928. 1940-57, "Trade of Canada" data assumed to represent peeled wood and converted to rough cords.

p: Preliminary.

Source: Dominion Bureau of Statistics.

Table 8. Pulpwood Production — Value

	Production(a)	Consumption(b)	Exports(c)	Imports(d)
1920	$61,183,060	$45,404,889	$15,778,171	
1925	62,181,537	48,012,602	14,168,935	
1930	67,529,612	54,788,730	13,611,617	870,735
1931	51,973,243	43,120,740	9,359,592	507,089
1932	36,750,910	32,192,066	4,830,506	271,662
1933	33,213,973	28,609,247	4,696,459	91,733
1934	38,302,807	31,675,325	6,680,307	52,825
1935	41,195,871	34,265,329	7,041,052	110,510
1936	48,680,200	40,455,656	8,276,423	51,879
1937	63,057,205	51,081,661	12,088,329	112,785
1938	53,761,999	40,326,689	13,641,798	206,488
1939	58,302,668	46,558,645	11,901,480	157,457
1940	74,731,002	62,211,527	12,521,880	404,903
1941	74,878,637	72,023,560	15,928,826	325
1942	86,946,706	83,047,681	20,314,253	13,972
1943	104,183,817	91,982,248	18,565,265	28,747
1944	126,851,350	104,033,546	20,012,285	126,048
1945	159,450,381	121,947,288	23,881,928	57,074
1946	196,624,029	155,160,308	28,731,150	195,800
1947	249,911,951	203,738,527	34,528,884	557,731
1948	271,560,306	242,338,302	43,572,868	1,254,351
1949	202,544,308	240,379,337	30,383,947	65,304
1950	280,837,687	252,664,002	33,589,962	491,344
1951	416,196,281	316,600,016	66,077,108	756,278
1952	346,802,085	334,676,955	61,837,059	559,358
1953	309,011,150	329,087,065	42,703,886	878,687
1954	323,800,478	332,853,603	41,900,417	1,657,083
1955	369,476,288	340,076,962	43,273,977	2,060,005
1956	419,470,968	369,263,045	44,206,488	2,947,688
1957	340,235,102	361,151,710	42,331,768	2,858,726
1958	275,153,906	338,226,407	29,943,516	2,175,702
1959	320,244,307	349,827,131	25,705,661	2,711,234
1960	356,916,000	361,858,672	25,839,709	3,770,182
1961	369,663,000	365,330,191	27,156,575	3,562,891
1962	334,930,489	368,960,268	28,597,118	2,730,314
1963	n.a.	n.a.	25,903,045	2,437,248

n.a.: Not available.

Other footnotes: See Table 7.

Source: Dominion Bureau of Statistics.

Table 9. Pulpwood Chips Exports

	Tons	$		Tons	$
1949	163,861	932,645	1956	838,696	5,587,685
1950	213,529	1,177,916	1957	884,891	6,126,999
1951	333,528	2,025,834	1958	674,281	4,711,117
1952	399,217	2,982,696	1959	591,263	4,031,535
1953	471,028	3,155,478	1960	791,320	5,346,648
1954	596,888	3,865,265	1961	964,485	6,654,713
1955	824,672	5,381,163	1962	988,075	7,135,270
			1963	1,345,910	10,082,286

Source: Dominion Bureau of Statistics.

Table 10. Wood Residue Used for Making Pulp

	Pulp Chips		Other Wood Residue	
	Rough Cord equivalent	$	Rough cord equivalent	$
1946	72,136	1,491,835	23,035	214,890
1947	85,966	2,202,707	31,075	325,472
1948	114,937	2,200,699	48,882	737,012
1949	94,376	1,492,849	60,204	664,292
1950	149,725	1,949,535	67,713	892,218
1951	232,386	7,293,584	92,307	1,228,422
1952	233,143	7,287,984	84,413	954,648
1953	347,568	8,381,162	92,472	1,095,252
1954	572,549	10,576,048	96,861	1,198,926
1955	692,710	14,105,244	109,911	1,435,931
1956	846,392	17,696,987	89,978	1,185,772
1957	1,000,497	19,648,299	91,308	1,179,905
1958	1,181,371	21,637,657	61,737	663,147
1959	1,380,153	24,308,074	75,498	877,046
1960	1,465,649	26,492,831	320,608	4,598,681
1961	2,090,957a	36,085,742	11,606	96,075
1962	2,427,442a	43,797,018	1,295	no value

a: Includes slabs and edgings, reject lumber, veneer cores and clippings formerly reported with "Other wood residue".

Source: Dominion Bureau of Statistics.

Table 11. Species of Wood Used by Pulp and Paper Mills — 1962

Pulpwood:	Cords	Per Cent
Spruce and Balsam	11,023,866	63.6
Hemlock	1,537,051	8.7
Jack Pine	1,050,734	6.1
Other softwoods	293,541	1.7
Poplar, Aspen and Cottonwood	512,702	3.0
Other hardwoods	493,542	2.9
	14,911,436	86.0
Other Wood(*)	2,428,737	14.0
	17,340,173	100.0

(*) — Includes chips, slabs, edgings, sawdust, shavings, butts, cores, reject lumber, and other wood-waste.

Source: Dominion Bureau of Statistics.

Table 12. Cords, Cubic Feet, and Board Measure

A standard cord is a stack of wood 4 x 4 x 8 feet containing 128 cubic feet of wood, bark, and interstices. A cord usually contains about 85 cubic feet of solid wood, but the content varies with the size of the logs.

In the lumber industry, wood is usually measured by the board foot. A board foot is the equivalent of a board one inch in thickness and one square foot in surface area. The relationship between board measure and cord measure varies in different sections of the Dominion. Usually, 2 cords are considered to be equivalent to about 1000 feet board measure. But this ratio also varies with the size and type of the wood.

One cord of peeled pulpwood is equivalent to 1.125 cords of rough or unpeeled wood.

Source: Department of Forestry.

"B"—FROM WOOD TO MARKETS

This section contains a summary of the industry's operations, relating production and markets to the pulpwood harvest.

Table 13. Pulpwood Supply, 1962

	Cords (a)	Value (b)
Pulpwood* Production, by Provinces:		
Quebec	6,042,461	$146,650,528
Ontario	3,791,231	98,799,480
British Columbia	2,488,595	38,996,284
Other Provinces	2,292,918	50,484,197
Canada	14,615,205	$334,930,489
Pulpwood* Imports	149,884	2,730,314
Total New Supply	14,765,089	$337,660,803
Pulpwood* Exports	1,224,958	$ 28,597,118
Wood Used in Canadian Mills:		
Pulpwood*	14,882,947	$368,960,268
Other Wood (c)	2,427,442	43,797,018
Total Wood Used	17,310,389	$412,757,286

*Roundwood only, i.e. whole logs and bolts.

(a) Quantities are given in terms of rough or unpeeled wood. One cord of peeled pulpwood is equivalent to 1.125 cords of rough or unpeeled wood.

(b) Values of pulpwood production, imports, exports and consumption are not comparable, chiefly because transportation costs differ.

(c) Residual wood, such as sawmill and veneer mill chips, slabs and edgings, sawdust and butts and cores. The quantity given represents rough cord equivalents.

Source: Dominion Bureau of Statistics.

Table 14. Pulp Supply, 1962

From the 17,310,389 cords of wood used in the mills, the following pulps were manufactured in 1962:

	Tons	Value
Groundwood pulp	5,891,511	$243,806,740
Chemical pulp	5,882,432	587,592,532
Other pulp(a)	358,564	13,970,318
Total Wood-Pulp Production	12,132,507	$845,369,590
Wood-Pulp imports	63,328	8,961,803
	12,195,835	$854,331,393

In addition to wood-pulp, the following fibrous materials were used in 1962 in the production of certain grades of paper and paperboard:

Rag, cotton and flax waste and sweepings, and cotton linters	14,700e	$ 1,475,296
Old and waste paper and broke (purchased)	439,000e	15,046,124
Straw	6,200e	174,659
Other paper stock(b)	51,800e	1,228,523
Total Other Stock Used	511,700e	$ 17,924,602
Total Stock	12,707,535e	$872,255,995
Pulp inventories at pulp and paper mills at the beginning of the year	212,528e	22,511,250e
Total	12,920,063e	$894,767,245e
Less pulp inventories at pulp and paper mills at the end of the year	196,018e	21,215,649e
Sold, or converted into paper, paperboard and other board	12,724,045e	$873,551,596e

(a) Includes screenings, off-quality, semi-chemical, defibrated and exploded pulp.

(b) Includes purchased side-runs, flax fibre, fibre and leather scrap, manilla stock, etc.

e: Canadian Pulp and Paper Association estimate.

Source: Dominion Bureau of Statistics.

Table 15. Shipments by Products, 1962

From the 12,724,045 tons of pulp available for conversion or sale in 1962 the following products were manufactured and shipped:

Wood-pulp:	Tons	%	Value	%
Chemical	3,376,285	26.85	$ 417,108,641	25.02
Mechanical and other grades	313,372	2.49	20,983,145	1.26
Total Wood-Pulp(a)	3,689,657	29.34	$ 438,091,786	26.28
Newsprint (b)	6,648,170	52.86	$ 820,891,616	49.25
Paperboard and Other Boards:				
Paperboard	1,082,350	8.61	$ 155,574,305	9.33
Building boards	225,829e	1.80	35,637,214	2.14
Wet machine boards	9,516	.07	1,956,955	.12
	1,317,695	10.48	$ 193,168,474	11.59
Other Papers:				
Wrapping papers	323,078	2.57	$ 70,030,927	4.20
Book and writing papers	434,022	3.45	119,404,673	7.17
Tissue and sanitary papers	69,581	.55	16,853,673	1.01
Building papers	86,989	.69	6,178,173	.37
Special industrial papers.	7,331	.06	2,096,291	.13
	921,001	7.32	$ 214,563,737	12.88
Total Paper and Board	8,886,866	70.66	$1,228,623,827	73.72
Total Shipments of Pulp and Paper (c)	12,576,523	100.00	$1,666,715,613	100.00
Converted paper products			$ 41,593,930	
By-products and miscellaneous services			$ 11,651,193	
Total Value of Mill Shipments			$1,719,960,736	

a: Including shipments to subsidiary or affiliated companies.

b: Dominion Bureau of Statistics classification includes some grades not classed as newsprint by the Newsprint Association of Canada.

c: As much of the pulp shipped to Canadian customers and Canadian affiliated mills was utilized in the manufacture of paper and board, there is some duplication in this figure.

e: Canadian Pulp and Paper Association estimate.

Source: Dominion Bureau of Statistics.

Table 16. Wood-Pulp Use and Sale, 1962

Tons	Production	Imports	Exports	Consumption by Canadian Paper Mills	Apparent Domestic Sales or Inventory Changes(a)
Groundwood	5,891,511	—	260,253	5,621,150	10,108
Sulphite, paper grades	2,406,289	35,582	704,683	1,784,164	—46,976
Sulphate, paper grades	2,926,256	10,099	1,681,066	1,197,673	57,616
Dissolving and Special Alpha.	477,803	17,647	355,321	1,877	138,252
Screenings and others	430,648	—	43,135	393,605	— 6,092
	12,132,507	63,328	3,044,458	8,998,469	152,908

a: Minus quantities indicate reduction of inventories.

Source: Dominion Bureau of Statistics.

Table 17.

Pulp, Paper, Paper Products, and Pulpwood Exports 1963

	Total Exports		To U.S.A.		To United Kingdom		To Other Countries	
PULP —	Tons	Value	Tons	Value	Tons	Value	Tons	Value
Dissolving and Special Alpha (Sulphite and Sulphate)	372,069	64,484,818	285,926	50,570,825	22,046	3,811,429	64,097	10,102,564
Sulphate — Paper Grades	1,883,355	227,665,819	1,425,449	174,733,231	106,356	12,941,775	351,550	39,990,813
Bleached	*1,374,932*	*176,289,371*	*1,084,758*	*140,781,921*	*64,925*	*8,481,934*	*225,250*	*27,025,516*
Semi-bleached	*152,403*	*17,175,061*	*87,878*	*9,890,723*	*14,118*	*1,592,814*	*50,406*	*5,691,524*
Unbleached	*356,020*	*34,201,387*	*252,813*	*24,060,587*	*27,313*	*2,867,027*	*75,895*	*7,273,773*
Sulphite — Paper Grades	786,492	90,860,053	569,558	67,607,895	91,780	10,603,701	125,154	12,648,457
Bleached	*567,708*	*67,903,716*	*475,270*	*57,826,336*	*27,478*	*3,198,878*	*64,960*	*6,878,502*
Unbleached — Strong	*171,387*	*17,911,112*	*87,787*	*9,105,876*	*37,152*	*4,406,132*	*46,448*	*4,399,104*
Unbleached — News Grade	*47,397*	*5,045,225*	*6,501*	*675,683*	*27,150*	*2,998,691*	*13,746*	*1,370,851*
Total Chemical	3,041,916	$ 383,010,690	2,280,933	$292,911,951	220,182	$ 27,356,905	540,801	$ 62,741,834
Mechanical	247,956	16,833,293	188,769	13,234,431	50,386	3,119,948	8,801	478,914
Bleached	*18,483*	*1,435,542*	*18,483*	*1,435,542*	—	—	—	—
Unbleached	*229,473*	*15,397,751*	*170,286*	*11,798,889*	*50,386*	*3,119,948*	*8,801*	*478,914*
Other Pulps	40,991	5,213,746	27,339	3,534,257	9,266	1,144,082	4,386	535,407
Screenings	8,629	234,699	8,629	234,699	—	—	—	—
Chemical	*5,056*	*179,874*	*5,056*	*179,874*	—	—	—	—
Mechanical	*3,573*	*54,825*	*3,573*	*54,825*	—	—	—	—
Total Miscellaneous	297,576	$ 22,281,738	224,737	$ 17,003,387	59,652	$ 4,264,030	13,187	$ 1,014,321
TOTAL PULP	3,339,492	$ 405,292,428	2,505,670	$309,915,338	279,834	$ 31,620,935	553,988	$ 63,756,155
NEWSPRINT PAPER —								
Standard	6,211,946	759,989,558	5,251,125	636,086,302	458,814	60,212,940	502,007	63,690,316
Mutilated	55,698	3,353,862	33,153	2,008,150	5,800	329,207	16,745	1,016,505
TOTAL NEWSPRINT	6,267,644	$ 763,343,420	5,284,278	$638,094,452	464,614	$ 60,542,147	518,752	$ 64,706,821
OTHER PAPER —								
Wrapping Paper	30,879	5,311,776	9,059	1,800,748	18,361	2,847,721	3,459	663,307
Bleached Sulphite and Sulphate	*7,244*	*1,491,447*	*6,479*	*1,269,971*	*637*	*178,265*	*128*	*43,211*
Unbleached Sulphite and Sulphate	*22,469*	*3,515,806*	*1,821*	*324,184*	*17,414*	*2,599,583*	*3,234*	*592,039*
Wrapping — n.o.p.	*1,166*	*304,523*	*759*	*206,593*	*310*	*69,873*	*97*	*28,057*
Book and Writing Paper	78,476	15,578,391	42,672	6,732,603	15,709	3,901,908	20,095	4,943,880
Groundwood Printing — n.o.p.	*48,829*	*7,717,416*	*38,855*	*5,966,569*	*4,078*	*580,119*	*5,896*	*1,170,728*
Book — n.o.p.	*4,855*	*982,383*	*2,819*	*500,450*	*508*	*113,048*	*1,529*	*368,885*
Writing and Reproduction	*21,568*	*6,068,897*	*981*	*257,503*	*11,059*	*3,184,551*	*9,528*	*2,626,843*
Fine Paper — n.o.p.	*3,224*	*809,695*	*17*	*8,081*	*64*	*24,190*	*3,143*	*777,424*
Paperboard	170,203	19,971,714	16,538	2,025,958	141,636	16,839,383	12,029	1,106,373
Container Board	*146,771*	*16,777,796*	*71*	*9,932*	*135,284*	*15,786,089*	*11,416*	*981,775*
Solid Bleached and Folding Boxboard — n.o.p.	*5,299*	*924,634*	*52*	*8,281*	*5,242*	*914,840*	*6*	*1,513*
Set-up Boxboard — n.o.p.	*3,930*	*560,548*	*3,580*	*508,822*	*223*	*37,771*	*126*	*13,955*
Pulpboard for Building Board	*11*	*1,405*	*11*	*1,405*	—	—	—	—
Wet Machine Board	*1,364*	*350,759*	*908*	*250,416*	*18*	*2,954*	*438*	*97,389*
Paperboard — n.o.p.	*12,828*	*1,356,572*	*11,917*	*1,247,102*	*868*	*97,729*	*43*	*11,741*
Building Board	33,167	3,396,801	29,496	2,971,186	1,203	141,753	2,468	283,862
Rigid Insulating Board	*14,745*	*1,677,139*	*12,510*	*1,361,816*	*890*	*108,576*	*1,345*	*206,747*
Hardboard	*17,443*	*1,621,282*	*16,161*	*1,528,840*	*312*	*33,177*	*969*	*59,265*
Building Board — n.o.p.	*979*	*98,380*	*825*	*80,530*	—	—	*154*	*17,850*
Building Paper	6,959	693,765	2,611	314,049	188	20,957	4,160	358,759
Tissue Paper, except Sanitary	198	56,835	76	19,994	112	33,585	10	3,256
Sanitary Paper	11,466	2,539,765	1,648	278,270	4,673	1,201,056	5,145	1,060,439
Hanging Paper	3,813	569,012	2,804	455,189	1,009	113,823	—	—
Special Industrial Paper	2,236	443,769	52	19,505	2,103	381,236	81	43,028
Coated Paper, except Machine Coated	1,286	506,770	393	149,284	157	82,225	736	275,261
Waste Paper — n.o.p.	45,911	1,885,164	44,359	1,799,357	*	383	1,552	85,424
TOTAL OTHER PAPER	384,594	$ 50,953,762	149,708	$ 16,566,143	185,151	$ 25,564,030	49,735	$ 8,823,589
PAPER PRODUCTS — (a)								
Paper Bags and Multiwall Sacks	—	483,644	—	13,390	—	41,212	—	429,042
Paper Containers and Parts — n.o.p.	—	1,039,536	—	392,286	—	55,347	—	591,903
Wall Paper — Printed	—	1,665,315	—	1,044,396	—	40,032	—	580,887
Packaged Toilet Paper	3,144	955,347	9	2,332	1,376	496,436	1,758	456,579
Notebooks, Scribblers and Pads	—	223,807	—	5,810	—	1,628	—	216,369
Stationery, Paper Office Supplies — n.e.s.	—	449,901	—	140,437	—	43,218	—	266,246
Converted Paper — n.o.p.	1,701	1,550,984	556	170,802	468	609,648	678	770,534
Paper End Products — n.o.p.	—	172,006	—	67,293	—	41,262	—	63,451
TOTAL PAPER PRODUCTS	4,845	$ 6,540,540	565	$ 1,836,746	1,844	$ 1,328,783	2,436	$ 3,375,011
TOTAL PULP, PAPER AND PAPER PRODUCTS	9,996,575	$1,226,130,150	7,940,219	$966,412,679	931,444	$119,055,895	1,124,912	$140,661,576
PULPWOODS —	Cords	Value	Cords	Value	Cords	Value	Cords	Value
Pulpwood (b)	1,023,821	$ 25,903,045	727,826	$ 16,677,087	67,683	$ 2,554,387	228,312	$ 6,671,571
	Tons	Value	Tons	Value	Tons	Value	Tons	Value
Chips	1,345,910	$ 10,082,286	1,340,440	$ 10,039,986	—	—	5,470	$ 42,300
GRAND TOTAL	—	$1,262,115,481	—	$993,129,752	—	$121,610,282	—	$147,375,447

NOTE: Because quantities reported in hundredweights have been converted into tons, breakdowns by grades or countries do not always cross-add.

(a) Weight of most paper products is unavailable.

(b) Peeled and unpeeled cords.

*: Less than one ton.

n.o.p.: Not otherwise provided for.

Source: Dominion Bureau of Statistics.

"C"—PULP

All figures after 1948 include Newfoundland.

Table 18. Pulp Production and Exports

All grades: chemical, mechanical and screenings.

	Production		Exports	
	Tons	Value	Tons	Value
1920	1,960,102	$141,552,862	819,984	$76,383,978
1925	2,772,507	100,216,383	961,367	47,931,905
1930	3,619,345	112,355,872	760,220	39,059,979
1931	3,167,960	84,780,809	622,537	30,056,643
1932	2,663,248	64,412,453	452,293	18,930,064
1933	2,979,562	64,114,074	608,510	23,354,637
1934	3,636,335	75,726,958	605,641	25,444,844
1935	3,868,341	79,722,039	662,475	27,625,730
1936	4,485,445	92,336,953	754,496	31,246,695
1937	5,141,504	116,729,228	870,716	41,815,731
1938	3,667,789	87,897,148	554,037	27,730,738
1939	4,166,301	97,131,817	705,516	31,000,602
1940	5,290,762	149,005,267	1,068,516	60,930,149
1941	5,720,847	175,439,551	1,411,725	85,897,736
1942	5,606,461	192,145,062	1,510,746	95,266,873
1943	5,272,830	194,519,152	1,556,457	100,012,775
1944	5,271,137	211,041,412	1,408,081	101,563,024
1945	5,600,814	231,873,122	1,434,527	106,054,911
1946	6,615,410	287,624,227	1,418,558	114,020,659
1947	7,253,671	403,853,235	1,698,712	177,802,612
1948	7,675,079	485,966,164	1,797,998	211,564,384
1949	7,852,998	445,138,494	1,548,706	170,675,310
1950	8,473,014	502,583,925	1,846,143	208,555,549
1951	9,314,849	727,880,005	2,243,307	365,132,884
1952	8,968,009	650,021,180	1,940,582	291,863,498
1953	9,077,063	624,865,504	1,950,152	248,674,880
1954	9,673,016	655,916,738	2,180,416	270,904,626
1955	10,150,547	693,402,831	2,366,133	297,304,069
1956	10,733,744	706,232,534	2,374,013	304,536,497
1957	10,425,295	706,194,649	2,282,656	292,406,102
1958	10,137,454	703,365,594	2,219,314	285,448,649
1959	10,832,200	744,940,432	2,450,027	311,252,798
1960	11,461,489	772,626,099	2,601,458	325,121,572
1961	11,779,165	796,290,768	2,868,845	346,660,713
1962	12,132,507	845,369,590	3,044,458	369,902,423
1963	12,426,778e	n.a.	3,339,492	405,292,428

e: Canadian Pulp and Paper Association estimate.
n.a.: Not available.
Source: Dominion Bureau of Statistics.

Table 19. Chemical Pulp Production and Exports

All grades. Screenings not included.

	Production		Exports	
	Tons	Value	Tons	Value
1915	331,029	n.a.	157,469	$ 6,039,815
1920	848,528	90,053,999	515,640	58,809,172
1925	1,084,992	59,969,673	601,163	37,358,632
1930	1,265,057	63,156,351	527,800	32,677,201
1931	1,086,735	46,998,988	443,903	25,226,042
1932	913,438	35,987,294	328,532	16,290,037
1933	1,092,601	38,510,217	459,773	20,444,761
1934	1,211,619	44,535,515	472,447	22,540,981
1935	1,276,308	47,153,565	519,480	24,812,145
1936	1,462,659	53,356,519	597,512	28,170,044
1937	1,707,889	69,538,019	680,264	37,357,571
1938	1,124,312	47,990,730	421,597	24,717,328
1939	1,342,448	53,369,808	526,774	26,802,840
1940	1,879,812	92,553,463	857,192	54,548,202
1941	2,122,292	113,128,794	1,121,784	76,744,731
1942	2,246,438	126,208,457	1,213,587	84,417,370
1943	2,188,026	130,010,210	1,259,670	89,486,869
1944	2,109,169	138,140,452	1,156,442	91,070,546
1945	2,154,267	144,084,969	1,145,660	93,601,776
1946	2,427,087	172,756,674	1,131,148	100,895,930
1947	2,755,977	251,273,372	1,357,386	157,954,348
1948	2,997,281	310,338,614	1,481,449	191,723,253
1949	2,891,418	272,355,430	1,327,608	158,559,921
1950	3,314,250	323,330,963	1,584,393	194,228,568
1951	3,814,086	503,997,803	1,904,785	337,800,649
1952	3,518,127	423,789,033	1,675,114	271,120,438
1953	3,663,289	406,114,975	1,713,081	232,601,850
1954	4,057,046	433,359,934	1,937,534	254,616,166
1955	4,359,226	465,149,732	2,092,256	278,749,355
1956	4,645,493	463,880,858	2,083,068	284,256,137
1957	4,526,667	468,067,374	2,025,314	274,579,160
1958	4,445,310	471,590,838	1,979,079	269,008,332
1959	4,837,328	504,613,400	2,199,975	294,271,256
1960	5,203,799	522,539,122	2,355,351	308,467,432
1961	5,560,336	547,565,114	2,621,897	330,359,098
1962	5,882,432	587,592,532	2,774,928	351,921,132
1963	6,229,672e	n.a.	3,082,907	388,224,436

e: Canadian Pulp and Paper Association estimate.
n.a.: Not available.
Source: Dominion Bureau of Statistics.

Table 20. Chemical Pulp Exports

All grades. Screenings not included.

Tons	Sulphite	Sulphate	Other	Total
1931	385,421	54,993	3,488	443,902
1932	287,930	38,531	2,071	328,532
1933	395,715	59,320	4,738	459,773
1934	376,460	88,037	7,950	472,447
1935	411,817	96,954	10,709	519,480
1936	464,739	119,400	13,373	597,512
1937	546,141	122,781	11,342	680,264
1938	335,273	76,286	10,039	421,598
1939	408,846	108,869	9,059	526,774
1940	708,806	136,052	12,334	857,192
1941	919,737	185,365	16,682	1,121,784
1942	1,013,505	181,325	18,757	1,213,587
1943	1,056,487	183,291	19,892	1,259,670
1944	960,297	178,876	17,269	1,156,442
1945	942,874	181,015	21,771	1,145,660
1946	906,712	204,769	19,667	1,131,148
1947	1,018,808	316,711	21,867	1,357,386
1948	1,066,534	389,599	25,316	1,481,449
1949	838,059	470,160	27,471	1,335,690
1950	969,340	581,994	33,059	1,584,393
1951	1,162,360	709,467	32,958	1,904,785
1952	1,001,207	644,923	28,984	1,675,114
1953	972,508	705,659	34,914	1,713,081
1954	1,054,852	844,759	37,923	1,937,534
1955	1,158,830	892,138	41,288	2,092,256
1956	1,121,721	916,397	44,950	2,083,068
1957	966,669	1,015,843	42,802	2,025,314
1958	797,816	1,148,865	32,398	1,979,079
1959	785,281	1,376,409	38,285	2,199,975
1960	845,906	1,466,239	43,206	2,355,351
1961	634,398	1,634,604	352,895*	2,621,897
1962	704,683	1,681,066	389,179*	2,774,928
1963	786,492	1,883,355	413,060*	3,082,907

*Includes Dissolving and Special Alpha formerly reported as Sulphite or Sulphate.

Source: Dominion Bureau of Statistics.

Table 21. Pulp Exports to U.S.A., United Kingdom and Other Countries

All grades: chemical, mechanical and screenings.

	United States Tons	United Kingdom Tons	Other Countries Tons
1931	491,731	38,971	91,835
1932	362,692	30,423	59,178
1933	486,580	20,622	101,308
1934	478,959	38,549	88,133
1935	530,671	51,890	79,914
1936	641,146	45,457	67,893
1937	698,124	83,260	89,332
1938	453,861	67,694	32,482
1939	606,588	72,437	26,491
1940	825,268	176,218	67,030
1941	1,108,845	265,977	36,903
1942	1,197,425	294,056	19,265
1943	1,269,043	263,392	24,022
1944	1,077,811	292,808	61,484
1945	1,093,631	290,885	50,011
1946	1,252,648	119,973	45,937
1947	1,499,302	136,976	62,434
1948	1,590,674	170,596	36,728
1949	1,304,774	173,745	70,187
1950	1,694,444	117,920	33,779
1951	1,831,411	217,251	194,645
1952	1,588,979	210,685	140,918
1953	1,599,491	214,951	135,710
1954	1,669,782	270,946	239,688
1955	1,868,804	280,575	216,754
1956	1,919,634	244,163	210,216
1957	1,847,365	225,483	209,808
1958	1,832,520	216,147	170,647
1959	1,966,481	217,336	266,210
1960	1,999,755	282,748	318,955
1961	2,176,585	278,846	413,414
1962	2,398,802	251,742	393,914
1963	2,505,670	279,834	553,988

Source: Dominion Bureau of Statistics.

Table 22. Destination of Sulphite and Sulphate Pulp Exports

To:	Sulphite* 1963 Tons	Sulphite* 1962 Tons	Sulphate 1963 Tons	Sulphate 1962 Tons
North & Central America	870,638	849,499	1,425,774	1,338,852
United States	*855,484*	*835,816*	*1,425,449*	*1,338,786*
Mexico	*12,682*	*9,028*	*303*	—
Dominican Republic	*2,200*	*1,573*	—	—
Guatemala	*158*	—	—	—
Puerto Rico	*99*	*159*	—	—
El Salvador	—	—	*22*	*66*
Panama	*15*	—	—	—
Cuba	—	*2,923*	—	—
Europe	170,416	137,218	251,172	195,504
United Kingdom	*113,827*	*109,136*	*106,356*	*79,725*
Italy	*18,828*	*13,074*	*42,173*	*35,186*
West Germany	*5,010*	*3,719*	*52,502*	*41,067*
France	*13,164*	*6,081*	*27,212*	*21,748*
Netherlands	*2,099*	*1,230*	*11,676*	*8,216*
Belgium and Luxembourg	*2,132*	*1,776*	*5,189*	*5,516*
Greece	*5,251*	*543*	—	—
Switzerland	*495*	*53*	*2,973*	*2,492*
Sweden	*3,446*	—	—	—
Yugoslavia	*3,091*	*1,077*	*154*	—
Spain	*1,819*	*494*	*732*	*607*
Austria	*529*	*35*	*1,426*	*512*
Finland	*110*	—	*779*	*435*
Ireland	*615*	—	—	—
Africa	3,533	2,365	33	586
Rep. of South Africa	*1,571*	*1,595*	—	*365*
U.A.R.—Egyptian Region	*1,127*	*604*	—	—
Fed. of Rhodesia and Nyasaland	*504*	*166*	—	—
Mozambique	*331*	—	—	—
Tanganyika	—	—	*33*	*100*
Nigeria	—	—	—	*121*
South America	24,263	9,380	35,944	64,311
Argentina	*17,401*	*3,655*	*7,648*	*22,962*
Venezuela	*1,919*	*1,480*	*10,200*	*18,015*
Colombia	*47*	—	*8,986*	*12,234*
Peru	*321*	*372*	*8,112*	*8,825*
Brazil	*3,729*	*3,074*	*555*	*2,163*
Uruguay	*846*	*799*	*411*	*110*
Ecuador	—	—	*33*	*2*
Asia	77,127	53,535	143,039	66,868
Japan	*42,920*	*15,789*	*123,577*	*36,732*
India	*18,339*	*21,813*	—	—
Pakistan	*12,399*	*12,452*	*1,120*	*2,619*
Taiwan	*220*	*703*	*9,938*	*15,273*
Philippines	*3,249*	*2,646*	*4,484*	*8,380*
Communist China	—	—	*3,307*	—
Ceylon	—	—	*560*	*335*
Malaya and Singapore	—	*22*	*53*	—
Israel	—	*110*	—	*3,477*
Iran	—	—	—	*27*
Hong Kong	—	—	—	*25*
Oceania	12,584	8,007	27,393	14,945
Australia	*12,584*	*8,007*	*27,393*	*14,945*
Total Exports	1,158,561	1,060,004	1,883,355	1,681,066

*Including both sulphite and sulphate Dissolving and Special Alpha.

Source: Dominion Bureau of Statistics.

Table 23. Canadian Pulp in U.S. Market

The following figures cover all grades of pulp including mechanical and screenings.

Tons	U.S. Pulp Production	Total U.S. Imports	U.S. Imports from Canada	U.S. Exports	U.S. Net Imports
1925	3,962,217	1,663,614	880,453	37,995	1,625,619
1930	4,630,308	1,830,217	735,864	48,426	1,781,791
1931	4,409,344	1,596,421	550,127	53,308	1,543,113
1932	3,760,267	1,481,760	425,326	47,860	1,433,900
1933	4,276,204	1,941,576	550,871	79,193	1,862,383
1934	4,436,128	1,805,972	541,728	142,932	1,663,040
1935	4,925,669	1,933,249	541,078	171,853	1,761,396
1936	5,695,219	2,277,500	670,962	193,485	2,084,015
1937	6,572,918	2,394,605	712,238	322,544	2,072,061
1938	5,933,560	1,710,393	467,323	140,484	1,569,909
1939	6,993,334	2,026,441	637,953	139,504	1,886,937
1940	8,959,559	1,224,570	828,307	480,938	743,632
1941	10,375,422	1,157,886	1,130,624	328,608	829,278
1942	10,783,430	1,236,519	1,210,960	378,148	858,371
1943	9,680,462	1,305,549	1,279,886	300,700	1,004,849
1944	10,108,443	1,071,864	1,071,814	218,401	853,463
1945	10,167,200	1,754,065	1,079,014	135,362	1,618,703
1946	10,606,527	1,805,488	1,244,215	39,361	1,766,127
1947	11,945,864	2,322,460	1,520,913	130,096	2,192,364
1948	12,872,292	2,176,111	1,593,584	93,727	2,082,384
1949	12,207,279	1,763,102	1,313,884	122,133	1,640,969
1950	14,848,951	2,385,181	1,717,035	95,673	2,289,508
1951	16,524,408	2,360,706	1,876,505	201,908	2,158,798
1952	16,472,979	1,941,259	1,581,214	211,924	1,729,335
1953	17,537,297	2,157,574	1,613,665	161,687	1,995,887
1954	18,333,153	2,051,798	1,679,448	443,870	1,607,928
1955	20,739,696	2,213,353	1,864,721	634,276	1,579,077
1956	22,130,949	2,334,253	1,956,592	534,494	1,799,759
1957	21,800,209	2,106,681	1,840,048	628,721	1,477,960
1958	21,795,652	2,101,787	1,819,301	515,859	1,585,928
1959	24,383,391	2,431,433	1,975,391	652,437	1,778,996
1960	25,315,589	2,381,487	2,031,941	1,141,534	1,239,953
1961	26,522,759	2,466,770	2,199,608	1,177,775	1,288,995
1962	27,908,330	2,788,281	2,435,205	1,186,213	1,602,068
1963p	28,941,000	2,776,835	2,532,191	1,421,936	1,354,899

p: preliminary.

Source: United States Bureau of the Census.

Table 24. Average Value Per Ton of U.S. Pulp Imports from Canada

	Dissolving & Special Chemical Grades*	Bleached Sulphite Paper Grades	Unbleached Sulphite	Bleached Sulphate Paper Grades†	Unbleached & Semi-bl. Sulphate	Mechanical
1937	$ 71.82	$ 57.21	$ 41.47	$ 66.83	$ 41.10	$19.23
1938	86.65	53.16	37.97	67.28	47.24	22.50
1939	74.82	48.42	36.40	58.87	48.84	24.26
1940	78.45	61.88	48.84	74.81	58.18	28.05
1941	82.04	67.37	53.86	80.64	57.84	28.25
1942	81.22	68.21	56.09	84.55	61.08	34.57
1943	84.47	69.69	57.89	85.72	62.94	32.28
1944	92.68	78.38	65.99	85.85	66.77	38.31
1945	93.89	79.49	67.51	85.77	69.25	40.10
1946	109.74	87.19	76.80	93.48	77.98	45.30
1947	136.49	123.41	103.06	120.65	104.58	59.76
1948	152.39	134.01	112.90	146.02	122.82	63.63
1949	149.55	116.03	98.28	123.68	99.47	57.69
1950	149.59	115.54	93.01	122.44	92.31	55.74
1951	176.89	152.79	129.97	167.50	148.42	81.06
1952	182.13	148.44	135.01	160.05	132.24	76.80
1953	181.17	134.55	111.17	135.82	106.36	73.36
1954	176.42	133.86	108.00	133.39	109.53	74.20
1955	177.46	136.13	114.23	138.74	113.13	74.47
1956	178.28	142.17	118.27	142.71	115.73	75.61
1957	187.70	147.66	122.06	144.65	109.02	74.67
1958	180.07	150.84	124.74	144.26	103.20	74.60
1959	186.22	147.72	126.51	145.20	102.76	74.54
1960	172.34	141.65	115.77	140.66	109.42	74.77
1961	156.16	136.71	110.18	132.48	117.70	73.58
1962	159.68	126.57	107.27	128.10	111.93	69.66

* Sulphite only prior to 1955; Sulphite and Sulphate from 1955.

† Includes Dissolving and Special Chemical Grades of Sulphate prior to 1955.

Source: United States Pulp Producers Association.

Table 25. Chemical Pulps — Paper Grades (Sulphite and Sulphate)

	Production		(See Note) Exports		Imports		Apparent Supply (b)
	Tons	Value	Tons	Value	Tons	Value	Tons
BLEACHED SULPHITE (1)							
1956	672,684	$ 80,872,390	443,086	$ 59,902,922	9,046	$ 1,272,893	238,644
1957	584,396	75,933,063	397,738	53,600,806	10,903	1,452,728	197,561
1958	535,972	72,064,686	361,205	49,433,556	9,015	1,215,588	183,782
1959	506,817	71,502,403	333,015	45,831,745	9,783	1,277,613	183,585
1960	572,414	71,772,351	434,118	57,608,415	12,381	1,553,748	150,677
1961	683,642	83,989,757	444,032	55,509,779	8,332	1,062,350	247,942
1962	717,298	86,093,894	500,792	61,701,635	7,020	929,783	223,526
1963	858,541e	n.a.	567,708	67,903,716	6,466	798,493	297,299e
UNBLEACHED SULPHITE (1)							
1956	1,888,786	155,260,023	375,212	44,323,756	38,697	4,541,149	1,552,271
1957	1,812,258	152,028,030	293,546	35,685,700	31,700	3,730,136	1,550,412
1958	1,607,127	133,171,024	218,205	27,136,688	22,057	2,656,700	1,410,979
1959	1,622,772	131,691,921	179,716	22,028,977	23,112	2,776,144	1,466,168
1960	1,719,436	135,776,258	169,787	19,743,815	26,469	3,205,011	1,576,118
1961	1,730,970	134,440,821	190,366	21,152,941	27,255	3,254,792	1,567,859
1962	1,688,991	131,976,790	203,891	22,455,573	28,562	3,515,660	1,513,662
1963	1,711,689e	n.a.	218,784	22,956,337	29,303	3,512,232	1,522,208e
TOTAL SULPHITE							
1956	2,561,470	236,132,413	818,298	104,226,678	47,743	5,814,042	1,790,915
1957	2,396,654	227,961,093	691,284	89,286,506	42,603	5,182,864	1,747,973
1958	2,143,099	205,235,710	579,410	76,570,244	31,072	3,872,288	1,594,761
1959	2,129,589	200,194,324	512,731	67,860,722	32,895	4,053,757	1,649,753
1960	2,291,850	207,548,609	603,905	77,352,230	38,850	4,758,759	1,726,795
1961	2,414,612	218,430,578	634,398	76,662,720	35,587	4,317,142	1,815,801
1962	2,406,289	218,070,684	704,683	84,157,208	35,582	4,445,443	1,737,188
1963	2,570,230e	n.a.	786,492	90,860,053	35,769	4,310,725	1,819,507e
BLEACHED SULPHATE (2)							
1956	716,080	73,321,309	684,435g*	95,086,026g*	n.a.	n.a.	n.a.
1957	799,311	103,752,169	749,147g*	103,274,308g*	n.a.	n.a.	n.a.
1958	908,804	125,520,633	900,481g*	124,423,456g*	n.a.	n.a.	n.a.
1959	1,060,963	143,424,931	909,262*	126,510,808*	n.a.	n.a.	n.a.
1960	1,170,901	151,112,421	980,131*	134,792,166*	n.a.	n.a.	n.a.
1961	1,293,131	160,703,467	1,060,277	139,550,593	n.a.	n.a.	n.a.
1962	1,413,425	177,015,668	1,147,190	148,999,982	n.a.	n.a.	n.a.
1963	1,604,823e	n.a.	1,374,932	176,289,371	n.a.	n.a.	n.a.
SEMI-BLEACHED SULPHATE (2)							
1956	81,700	8,849,736	n.a.	n.a.	n.a.	n.a.	n.a.
1957	115,295	11,669,185	n.a.	n.a.	n.a.	n.a.	n.a.
1958	173,068	15,983,546	n.a.	n.a.	n.a.	n.a.	n.a.
1959	242,389	22,155,700	149,883	17,034,963	n.a.	n.a.	n.a.
1960	283,818	24,625,367	139,872	16,012,525	n.a.	n.a.	n.a.
1961	322,746	27,688,337	160,958	17,438,577	n.a.	n.a.	n.a.
1962	420,672	38,971,323	183,764	19,735,877	n.a.	n.a.	n.a.
1963	416,789e	n.a.	152,403	17,175,061	n.a.	n.a.	n.a.
UNBLEACHED SULPHATE (2)							
1956	798,878	64,540,584	231,962	24,608,828	n.a.	n.a.	n.a.
1957	791,200	59,507,458	266,696	26,757,422	n.a.	n.a.	n.a.
1958	814,134	59,944,119	248,384	24,294,650	n.a.	n.a.	n.a.
1959	930,687	64,634,639	317,264	29,011,107	n.a.	n.a.	n.a.
1960	987,065	68,833,303	346,236	31,839,441	n.a.	n.a.	n.a.
1961	1,081,139	72,163,797	413,369	38,833,089	n.a.	n.a.	n.a.
1962	1,092,159	69,016,425	350,112	33,285,712	n.a.	n.a.	n.a.
1963	1,128,411e	n.a.	356,020	34,201,387	n.a.	n.a.	n.a.
TOTAL SULPHATE							
1956	1,596,658	146,711,629	916,397g*	119,694,854g*	13,043*	1,699,716*	693,304
1957	1,705,806	174,928,812	1,015,843g*	130,031,730g*	18,261*	2,349,370*	708,224
1958	1,896,006	201,448,298	1,148,865g*	148,723,106g*	18,923*	2,736,959*	766,064
1959	2,234,039	230,215,270	1,376,409*	172,556,878*	25,330*	3,712,102*	882,960
1960	2,441,784	244,571,091	1,466,239*	182,644,132*	17,060*	2,566,478*	992,605
1961	2,697,016	260,555,601	1,634,604	195,822,259	13,267*	1,897,186*	1,075,679
1962	2,926,256	285,003,416	1,681,066	202,021,571	10,999	1,389,827	1,256,189
1963	3,150,023e	n.a.	1,883,355	227,665,819	13,187	1,798,998	1,279,855e
TOTAL SULPHITE AND SULPHATE							
1956	4,158,128	382,844,042	1,734,695g*	223,921,532g*	60,786*	7,513,758*	2,484,219
1957	4,102,460	402,889,905	1,707,127g*	219,318,236g*	60,864*	7,532,234*	2,456,197
1958	4,039,105	406,684,008	1,728,275g*	225,293,350g*	49,995*	6,609,247*	2,360,825
1959	4,363,628	430,409,594	1,889,140*	240,417,600*	58,225*	7,765,859*	2,532,713
1960	4,733,634	452,119,700	2,070,144*	259,996,362*	55,910*	7,325,237*	2,719,400
1961	5,111,628	478,986,179	2,269,002	272,484,979	48,854*	6,214,328*	2,891,480
1962	5,332,545	503,074,100	2,385,749	286,178,779	46,581	5,835,270	2,993,377
1963	5,720,253e	n.a.	2,669,847	318,525,872	48,956	6,109,723	3,099,362e

Note: Statistics of other grades of chemical pulp are included in Tables 26 and 29.

*: includes sulphate dissolving pulp.

(1) for comparable figures 1920-1955, see Table 31.

(2) for comparable figures 1920-1955, see Table 32.

Other footnotes: See Table 26.

Source: Dominion Bureau of Statistics.

Table 26. Chemical Pulps — Dissolving and Special Alpha (Sulphite and Sulphate)

	Production		Exports (See Note)		Imports		Apparent Supply (b)
	Tons	Value	Tons	Value	Tons	Value	Tons
1956	402,635	$69,242,400	303,423*	$53,939,400*	3,118*	$603,462*	102,330
1957	341,927	48,748,953	275,385*	49,216,827*	4,020*	812,875*	70,562
1958	330,672	54,816,622	218,406*	39,023,953*	3,749*	734,487*	116,015
1959	390,836	63,409,133	272,550*	48,429,401*	7,083*	1,201,354*	125,369
1960	392,392	61,036,321	242,001*	42,708,285*	7,889*	1,325,660*	158,280
1961	373,085	59,812,352	307,232	51,955,803	12,825*	2,182,058*	78,678
1962	477,803	76,186,475	355,321	61,343,501	17,647*	3,126,533*	140,129
1963	427,351e	n.a.	372,069	64,484,818	25,252*	4,154,504*	80,534e

Note: Comparable figures not published prior to 1956. For statistics of sulphite dissolving pulp 1944-1955, see Table 31.

*: Sulphite only.

b: estimated on the basis of production plus imports minus exports. Although the values shown for production, exports and imports are individually correct value of Apparent Supply cannot be calculated in this manner, because each series comprises varying proportions of several grades, and their valuation also differs.

e: Canadian Pulp and Paper Association estimate. g: includes semi-bleached. n.a.: not available.

Source: Dominion Bureau of Statistics.

Table 27. Mechanical Pulp

	Production		Exports		Imports		Apparent Supply (b)
	Tons	Value	Tons	Value	Tons	Value	Tons
ALL GRADES							
1920	1,090,114	$ 49,890,337	304,344	$17,574,806	3,586e	$323,708e	789,356
1925	1,621,917	39,130,117	360,204	10,573,273	1,353	44,840	1,263,066
1930	2,283,130	48,317,494	208,758	5,967,172	2,604	62,751	2,076,976
1931	2,016,480	37,096,768	165,098	4,606,167	404	6,722	1,851,786
1932	1,696,021	28,018,451	116,229	2,562,089	40	3,476	1,579,832
1933	1,824,553	25,150,963	132,152	2,688,023	158	3,518	1,692,559
1934	2,340,441	30,556,675	120,121	2,727,902	32	944	2,220,352
1935	2,504,595	32,034,716	124,055	2,631,945	117	6,049	2,380,657
1936	2,910,338	38,251,389	133,518	2,841,051	43	2,652	2,776,863
1937	3,308,517	46,144,208	166,802	4,145,552	415	30,135	3,142,130
1938	2,461,997	39,228,178	124,205	2,914,247	240	16,791	2,338,032
1939	2,738,011	43,062,396	168,652	4,090,177	21	1,215	2,569,380
1940	3,305,484	55,504,763	204,090	6,265,069	142	4,852	3,101,536
1941	3,494,922	61,327,268	271,162	8,835,808	3,575	123,331	3,227,335
1942	3,260,097	64,801,837	278,365	10,507,449	—	—	2,981,732
1943	2,998,913	63,426,919	272,900	10,068,592	—	—	2,726,013
1944	3,076,296	71,668,673	236,545	10,134,383	—	—	2,839,751
1945	3,341,920	86,375,001	273,906	12,101,310	753	54,253	3,068,767
1946	3,997,848	111,514,231	268,290	12,571,257	55	7,146	3,729,613
1947	4,275,269	147,423,552	319,160	19,098,908	1,242	79,226	3,957,351
1948	4,413,513	168,343,496	296,520	19,257,283	2,269	187,066	4,119,262
1949	4,718,806	166,591,741	206,680	11,891,539	362	28,745	4,512,488
1950	4,910,803	173,035,433	247,556	14,037,566	1,185	87,539	4,664,432
1951	5,172,465	213,953,064	322,706	26,741,965	1,548	96,957	4,851,307
1952	5,175,319	217,352,245	254,716	20,413,132	15,396	794,090	4,935,999
1953	5,122,597	209,899,639	228,467	15,828,174	2,546	172,823	4,896,676
1954	5,337,610	214,102,066	232,230	16,501,901	3,991	298,972	5,109,371
1955	5,466,925	218,557,773	261,995	18,188,487	135	16,162	5,205,065
1956	5,723,002	231,236,271	274,471	19,593,680	—	—	5,448,531
1957	5,574,233	227,668,164	247,616	17,566,604	—	—	5,326,617
1958	5,375,499	222,295,717	232,782	16,195,194	25	1,928	5,142,742
1959	5,655,701	229,655,697	240,474	16,661,287	—	—	5,415,227
1960	5,880,529	237,344,741	235,445	16,348,381	105	6,510	5,645,189
1961	5,878,322	237,598,007	236,022	15,981,906	69	7,929	5,618,138
1962	5,891,511	243,806,740	260,253	17,698,374	—	—	5,631,258
1963	5,808,388e	n.a.	247,956	16,833,293	—	—	5,560,432e
BLEACHED							
1952	37,835	2,916,704	33,473	2,664,840	n.a.	n.a.	n.a.
1953	56,930	3,809,367	49,237	3,532,953	n.a.	n.a.	n.a.
1954	61,823	4,415,121	52,211	3,830,571	n.a.	n.a.	n.a.
1955	50,889	3,725,044	41,882	3,065,866	n.a.	n.a.	n.a.
1956	55,287	3,518,406	44,395	3,252,441	—	—	10,892
1957	49,641	3,259,314	35,095	2,508,198	—	—	14,546
1958	94,307	4,116,643	15,462	1,107,189	n.a.	n.a.	n.a.
1959	274,361	8,669,250	12,964	1,004,384	—	—	261,397
1960	327,056	10,222,163	12,858	990,707	n.a.	n.a.	n.a.
1961	353,506	11,173,623	18,077	1,406,272	n.a.	n.a.	n.a.
1962	380,092	12,215,603	23,249	1,812,419	—	—	356,843
1963	n.a.	n.a.	18,483	1,435,542	—	—	n.a.
UNBLEACHED							
1952	5,137,484	214,435,541	221,243	17,748,292	n.a.	n.a.	n.a.
1953	5,065,667	206,090,272	179,230	12,295,221	n.a.	n.a.	n.a.
1954	5,275,787	209,686,945	180,019	12,671,330	n.a.	n.a.	n.a.
1955	5,416,036	214,832,729	220,113	15,122,621	n.a.	n.a.	n.a.
1956	5,667,715	227,717,865	230,346	16,341,239	—	—	5,437,369
1957	5,524,592	224,408,850	212,521	15,058,406	—	—	5,312,341
1958	5,281,192	218,179,074	217,320	15,088,005	n.a.	n.a.	n.a.
1959	5,381,340	220,986,447	227,510	15,656,903	—	—	5,153,830
1960	5,553,473	227,122,578	222,587	15,357,674	n.a.	n.a.	n.a.
1961	5,524,816	226,424,384	217,945	14,575,634	n.a.	n.a.	n.a.
1962	5,511,419	231,591,137	237,004	15,885,955	—	—	5,281,946
1963	n.a.	n.a.	229,473	15,397,751	—	—	n.a.

Footnotes: See Table 26.

Source: Dominion Bureau of Statistics.

Table 28. Defibrated and Exploded Pulps

	Production		Exports		Imports		Apparent Supply (b)
	Tons	Value	Tons	Value	Tons	Value	Tons
1946	48,009	$1,019,492	—	—	—	—	48,009
1947	52,613	1,244,072	—	—	—	—	52,613
1948	65,636	2,544,930	—	—	—	—	65,636
1949	75,403	2,289,933	—	—	—	—	75,403
1950	88,962	2,548,544	—	—	—	—	88,962
1951	113,166	3,500,575	—	—	—	—	113,166
1952	109,727	3,465,438	—	—	—	—	109,727
1953	125,443	3,525,748	—	—	—	—	125,443
1954	113,266	3,228,272	—	—	—	—	113,266
1955	139,136	3,937,264	—	—	—	—	139,136
1956	170,954	4,901,679	—	—	—	—	170,954
1957	152,679	4,310,556	—	—	—	—	152,679
1958	167,720	4,346,147	—	—	—	—	167,720
1959	173,619	4,802,440	—	—	—	—	173,619
1960	157,706	4,093,921	—	—	—	—	157,706
1961	135,665	3,579,169	—	—	—	—	135,665
1962	146,656	6,705,133	—	—	—	—	146,656
1963	164,143e	n.a.	—	—	—	—	164,143e

Footnotes: See Table 26.

Note: Prior to 1946 defibrated and exploded fibres were not considered as pulps and were shown only as paper-making materials under the headings "Other wood fibre purchased" or "Other fibre and stock purchased".

Source: Dominion Bureau of Statistics.

Table 29. Other Wood-Pulps

Including certain grades of chemical, semi-chemical, and mechanical pulp.

Year	Production		Exports		Imports		Apparent Supply (b)
	Tons	Value	Tons	Value	Tons	Value	Tons
1920	27,228	$ 2,144,848	11,165e	$ 964,164e	757	$ 94,865	16,820
1925	1,189	83,015	—	—	1,266	84,674	2,455
1930	12,804	768,240	5,187	369,585	22	1,490	7,639
1931	8,667	433,350	3,488	178,909	89	5,090	5,268
1932	7,133	356,650	2,071	83,008	40	3,476	5,102
1933	11,964	512,540	4,737	181,745	158	3,518	7,385
1934	15,097	624,872	7,950	343,369	—	—	7,147
1935	20,887	954,075	10,709	465,616	51	2,524	10,229
1936	20,238	961,305	13,373	591,062	118	4,946	6,983
1937	21,916	1,126,432	11,342	585,226	176	9,711	10,750
1938	19,183	918,904	10,039	490,665	69	3,041	9,213
1939	21,562	1,013,398	9,059	409,531	182	9,486	12,685
1940	27,698	1,646,513	12,334	716,514	25	1,861	15,389
1941	31,033	1,983,144	16,682	1,096,619	—	—	14,351
1942	33,731	2,155,963	18,757	1,242,998	—	—	14,974
1943	34,034	2,303,608	19,892	1,444,792	—	—	14,142
1944	31,814	2,255,364	17,269	1,356,843	—	—	14,545
1945	48,396	2,778,018	21,771	1,823,957	—	—	26,625
1946	42,150	2,852,383	19,667	1,763,821	—	—	22,483
1947	57,234	4,364,271	21,867	2,527,340	—	—	35,367
1948	89,848	6,515,005	25,316	3,288,513	—	—	64,532
1949	86,224	6,264,152	27,471	3,369,959	68	8,151	58,821
1950	103,039	7,286,530	33,059	4,286,212	27	3,772	70,007
1951	137,268	10,322,641	32,958	5,277,337	2	670	104,312
1952	105,826	8,782,266	28,984	4,293,855	—	—	76,842
1953	126,484	10,121,236	34,914	4,887,822	—	—	91,570
1954	125,529	10,346,542	37,923	5,307,245	—	—	87,606
1955	155,026	12,063,208	41,288	5,873,683	—	—	113,738
1956	183,582	15,573,669	44,950	6,395,205	—	—	138,632
1957	171,871	13,934,565	42,802	6,044,097	—	—	129,069
1958	156,753	13,423,392	32,398	4,691,029	—	—	124,355
1959	173,156	14,581,927	38,285	5,424,255	—	—	134,871
1960	223,971	15,972,597	43,206	5,762,785	—	—	180,765
1961	207,866	14,394,260	45,663	5,918,316	—	—	174,008
1962	217,457	13,949,855	33,858	4,398,852	—	—	176,466
1963	238,978e	n.a.	40,991	5,213,746	—	—	197,987e

Footnotes: See Table 26.

Source: Dominion Bureau of Statistics.

Table 30. Screenings

SCREENINGS — CHEMICAL AND MECHANICAL

	Production		Exports (a)		Imports		Apparent Supply (b)
	Tons	Value	Tons	Value	Tons	Value	Tons
1923	43,966	$ 797,506	18,554e	$447,549e	—	—	25,412
1925	65,364	1,106,633	24,526e	565,135e	—	—	40,838
1930	71,158	882,027	23,662	415,606	—	—	47,496
1931	64,745	685,053	13,536	224,434	—	—	51,209
1932	53,789	406,708	7,532	77,937	—	—	46,257

SCREENINGS — CHEMICAL

1933	27,700	228,953	9,039	145,512	—	—	18,661
1934	29,851	296,107	8,311	139,806	—	—	21,540
1935	28,230	226,254	8,311	109,693	—	—	19,919
1936	38,504	305,942	10,786	133,393	—	—	27,718
1937	48,871	527,450	10,106	167,074	—	—	38,765
1938	22,739	198,939	2,626	43,471	—	—	20,113
1939	27,760	231,642	3,360	38,734	—	—	24,400
1940	42,741	434,257	3,016	54,636	—	—	39,725
1941	48,270	560,969	11,602	228,906	—	—	36,668
1942	51,905	727,736	11,809	258,935	—	—	40,096
1943	51,053	787,239	17,834	408,012	—	—	33,219
1944	48,826	803,729	11,120	317,221	—	—	37,706
1945	53,121	797,527	10,396	310,000	—	—	42,725
1946	66,277	1,268,027	11,326	390,881	—	—	54,951
1947	82,228	2,125,787	12,893	651,218	—	—	69,335
1948	83,894	2,288,892	11,537	489,515	—	—	72,357
1949	71,179	1,579,401	6,169	143,563	—	—	65,010
1950	73,276	1,559,097	7,758	211,034	—	—	65,518
1951	86,945	2,714,728	10,020	492,496	—	—	76,925
1952	67,864	2,173,153	5,077	205,748	—	—	62,787
1953	64,384	1,949,166	2,929	110,874	—	—	61,455
1954	68,131	2,073,775	4,154	144,370	—	—	63,977
1955	70,269	2,105,955	5,972	222,949	—	—	64,297
1956	65,343	2,434,473	6,415	238,947	—	—	58,928
1957	54,687	1,627,658	5,481	206,201	—	—	49,206
1958	45,166	1,327,397	6,188	225,484	—	—	38,978
1959	54,485	1,677,078	5,035	184,243	—	—	49,450
1960	51,411	1,590,461	7,181	252,893	—	—	44,230
1961	50,118	1,420,654	7,454	267,816	—	—	42,664
1962	45,715	1,213,476	6,672	240,965	—	—	40,659
1963	46,491e	n.a.	5,056	179,874	—	—	41,435e

SCREENINGS — MECHANICAL

1933	34,496	181,481	7,546	76,341	—	—	26,950
1934	54,324	318,648	4,762	36,155	—	—	49,562
1935	59,116	289,104	10,629	71,947	—	—	48,487
1936	73,944	423,103	12,680	102,207	—	—	61,264
1937	76,227	519,551	13,544	145,534	—	—	62,683
1938	58,741	479,301	5,609	55,692	—	—	53,132
1939	58,082	467,971	6,730	68,851	—	—	51,352
1940	62,725	512,784	4,218	62,242	—	—	58,507
1941	55,363	422,520	7,177	88,291	—	—	48,186
1942	48,021	407,032	6,985	83,119	—	—	41,036
1943	34,838	294,784	6,053	49,302	—	—	28,785
1944	36,846	428,558	3,974	40,874	—	—	32,872
1945	38,953	348,424	4,565	41,825	—	—	34,388
1946	68,876	863,096	7,794	162,591	—	—	61,082
1947	69,360	1,237,425	9,273	98,138	—	—	60,087
1948	69,101	1,092,077	8,492	94,333	—	—	60,609
1949	54,143	1,029,384	8,130	80,287	—	—	46,013
1950	32,573	611,620	6,436	78,381	—	—	26,137
1951	43,266	1,057,328	5,796	97,774	—	—	37,470
1952	39,140	1,095,428	5,675	124,180	—	—	33,465
1953	33,984	749,568	5,675	133,982	—	—	28,309
1954	35,062	768,499	6,498	155,568	—	—	28,564
1955	31,426	734,637	5,910	143,278	—	—	25,516
1956	30,100	668,773	9,789	447,733	—	—	20,311
1957	27,438	624,492	4,245	54,137	—	—	23,193
1958	22,539	472,311	1,265	19,639	—	—	21,274
1959	20,775	404,563	4,543	136,012	—	—	16,232
1960	21,846	468,358	3,481	52,866	—	—	18,365
1961	22,481	500,147	3,472	51,893	—	—	19,009
1962	20,820	433,811	2,605	41,952	—	—	18,215
1963	21,174e	n.a.	3,573	54,825	—	—	17,601e

a: For years prior to 1946, breakdown of total screenings exports into chemical and mechanical screenings estimated on basis of known quantity and value "made for export".

Other footnotes: See Table 26.

Note: Screenings were not reported separately prior to 1923. It is assumed that these were included with "Other wood-pulps". Exports of screenings prior to 1927 were probably shown with "All other manufactures of wood, n.o.p.".

Source: Dominion Bureau of Statistics.

Table 31. Sulphite Pulp (1920-1955)

	Production		Exports		Imports		Apparent Supply (b)
UNBLEACHED	Tons	Value	Tons	Value	Tons	Value	Tons
1920	515,649	$ 48,778,369	281,855	$30,778,486	13,162	$ 935,991	246,956
1925	615,320	29,670,655	265,553	14,150,271	20,484	1,120,630	370,251
1930	783,410	32,494,078	187,424	9,201,250	12,937	614,364	608,923
1931	640,222	22,433,990	123,721	5,146,954	12,741	526,094	529,242
1932	512,593	16,174,624	80,219	2,606,647	13,072	441,440	445,446
1933	553,801	15,070,885	100,604	3,067,525	5,430	167,744	458,627
1934	650,380	17,933,546	102,316	3,373,231	8,086	252,305	556,150
1935	644,820	17,546,789	98,673	3,186,894	16,104	518,325	562,251
1936	739,213	19,900,576	113,088	3,634,971	19,008	608,314	645,133
1937	914,191	28,355,232	176,267	7,907,788	20,443	654,179	758,367
1938	575,263	19,037,310	98,835	4,048,165	15,970	510,446	492,398
1939	624,552	19,998,275	109,160	3,954,980	19,334	653,697	534,726
1940	936,558	36,941,108	281,324	14,857,150	18,009	682,831	673,243
1941	1,073,704	46,797,067	438,140	25,942,972	16,047	854,543	651,611
1942	1,156,137	55,524,053	550,204	33,898,728	19,589	1,107,589	625,522
1943	1,125,033	58,076,395	590,541	36,997,343	18,616	1,079,880	553,108
1944	1,023,930	59,891,667	525,777	37,235,232	10,356	687,824	508,509
1945	1,035,755	61,923,471	480,836	34,916,473	10,758	741,248	565,677
1946	1,213,220	76,000,948	446,209	35,120,122	10,295	771,697	777,306
1947	1,322,783	102,483,191	484,724	48,888,906	22,121	2,222,007	860,180
1948	1,406,358	121,374,466	514,917	58,521,374	25,295	2,686,885	916,736
1949	1,354,368	103,606,878	346,361	35,276,757	23,979	2,408,712	1,031,986
1950	1,450,004	111,208,080	411,482	41,842,295	25,941	2,339,885	1,064,463
1951	1,697,672	172,544,639	555,045	90,017,185	25,758	3,023,893	1,168,385
1952	1,596,333	150,101,618	432,126	62,318,100	27,678	2,881,802	1,191,885
1953	1,552,056	134,647,522	349,619	39,133,755	26,573	2,946,871	1,229,010
1954	1,653,324	138,855,413	350,839	38,045,958	28,630	3,086,248	1,331,115
1955	1,790,737	147,734,909	371,705	42,532,861	33,431	3,638,552	1,452,463
BLEACHED — ALL GRADES							
1920	138,624	$ 21,301,465	100,640	$ 15,225,226	50	$ 6,082	38,034
1925	227,465	16,981,584	185,888	14,049,500	320	24,398	41,897
1930	293,394	19,619,367	249,098	17,954,714	1,291	99,511	45,587
1931	301,357	16,978,118	261,700	16,282,735	201	17,535	39,858
1932	256,478	13,081,700	207,711	11,181,623	161	9,755	48,928
1933	355,812	16,109,572	295,111	14,145,283	74	3,384	60,775
1934	340,262	18,034,000	274,144	14,607,138	87	4,533	66,205
1935	374,157	19,551,605	313,144	16,249,656	106	7,460	61,119
1936	429,714	22,259,923	351,651	18,376,727	31	1,587	78,094
1937	459,041	27,135,378	369,874	22,099,127	20	1,774	89,187
1938	304,834	18,818,095	236,438	15,742,741	61	5,091	68,457
1939	404,268	21,284,125	299,686	16,697,177	895	52,410	105,477
1940	543,987	36,576,496	427,482	29,812,822	1,661	115,523	118,166
1941	590,812	43,408,549	481,597	37,137,254	1,031	92,079	110,246
1942	597,316	43,809,756	463,301	36,382,124	1,861	190,932	135,876
1943	587,538	44,994,159	465,946	37,528,067	3,046	372,253	124,638
1944	585,699	48,767,224	434,520	38,614,714	3,391	412,588	154,570
1945	603,929	50,919,572	462,038	42,491,042	2,999	370,577	144,890
1946	616,797	58,859,624	460,503	47,013,382	4,121	512,113	160,415
1947	704,749	85,671,202	534,084	69,292,211	4,963	766,853	175,628
1948	731,653	99,052,519	551,617	78,497,251	5,290	904,586	185,326
1949	637,091	82,185,350	483,615	65,100,878	8,824	1,250,922	162,300
1950	760,769	101,822,594	557,858	77,855,345	7.245	990,715	210,156
1951	847,160	145,883,749	607,315	112,339,792	5,061	861,180	244,906
1952	781,762	128,760,545	569,081	101,002,682	6,985	1,200,846	219,666
1953	846,487	130,808,408	622,889	99,872,959	6,792	1,072,389	230,390
1954	953,967	137,171,927	704,013	107,537,038	7,477	1,084,885	257,431
1955	1,026,101	147,132,612	787,125	117,319,377	13,138	1,763,378	252,114
BLEACHED — DISSOLVING PULP							
1944	235,417	21,198,634	210,565e	19,504,292e	2,746e	332,918e	27,598
1945	233,826	22,025,991	214,816e	21,147,409e	2,430e	304,822e	21,440
1946	271,563	29,401,676	244,879	27,211,028	2,769e	363,569e	29,453
1947	306,927	41,705,429	292,125	38,976,383	3,043e	501,773e	17,845
1948	340,946	50,689,685	309,270	46,090,922	3,243	591,896	34,919
1949	262,972	39,455,746	243,095	37,146,886	2,861	537,523	22,738
1950	335,736	52,891,624	290,356	45,478,266	1,404	274,136	46,784
1951	408,969	81,904,028	363,145	71,831,848	1,587	369,647	47,411
1952	383,645	70,845,884	339,407	66,364,335	2,743	628,543	46,981
1953	430,551	77,511,280	382,960	69,171,902	1,588	353,014	49,179
1954	426,638	73,214,507	368,527	65,176,985	1,118	238,713	59,229
1955	402,283	68,934,790	330,132	58,417,937	1,817	312,987	73,968
BLEACHED — PAPER GRADES							
1944	350,282	27,568,590	223,955e	19,110,422e	645e	79,670e	126,972
1945	370,103	28,893,581	247,222e	21,343,633e	569e	65,755e	123,450
1946	345,234	29,457,948	215,624	19,802,354	1,352e	148,544e	130,962
1947	397,822	43,965,773	241,959	30,315,828	1,920e	265,080e	157,783
1948	390,707	48,362,834	242,347	32,406,329	2,047	312,690	150,407
1949	374,119	42,729,604	240,520	27,953,992	5,963	713,399	139,562
1950	425,033	48,930,970	267,502	32,377,079	5,841	716,579	163,372
1951	438,191	63,979,721	244,170	40,507,944	3,474	491,533	197,495
1952	398,117	57,914,661	229,674	34,638,347	4,242	572,303	172,685
1953	415,936	53,297,128	239,929	30,701,057	5,204	719,375	181,211
1954	527,329	63,957,420	335,486	42,360,053	6,359	846,172	198,202
1955	623,818	78,197,822	456,993	58,901,440	11,321	1,450,391	178,146

Footnotes: See Table 26.

Source: Dominion Bureau of Statistics.

Table 32. Sulphate Pulp (1920-1955)

	Production		Exports		Imports		Apparent Supply (b)
	Tons	Value	Tons	Value	Tons	Value	Tons
ALL GRADES							
1920	188,487	$ 19,437,843	133,146	$ 12,805,460	3,587e	$ 579,815e	58,928
1925	241,252	13,244,379	149,722	9,158,861	—	—	91,530
1930	175,449	10,274,666	86,091	5,151,652	1,672	48,746	91,030
1931	136,489	7,153,530	54,993	3,617,444	983	37,463	82,479
1932	137,234	6,374,320	38,531	2,418,760	6	1,097	98,709
1933	171,236	6,859,680	59,320	3,050,208	2	69	111,918
1934	205,980	7,963,110	88,037	4,217,243	—	—	117,943
1935	236,536	9,119,496	96,954	4,909,979	—	—	139,582
1936	273,494	10,234,715	119,400	5,567,284	1	100	154,095
1937	312,741	12,920,977	122,781	6,765,430	c	20	189,960
1938	225,032	9,216,421	76,286	4,435,757	639	26,105	149,385
1939	292,066	11,074,010	108,869	5,741,152	1,112	46,333	184,309
1940	371,569	17,389,346	136,052	9,161,716	159	9,320	235,676
1941	426,743	20,940,034	185,365	12,567,886	—	—	241,378
1942	459,254	24,718,685	181,325	12,893,520	—	—	277,929
1943	441,421	24,636,048	183,291	13,516,667	—	—	258,130
1944	467,726	27,226,197	178,876	13,863,757	—	—	288,850
1945	478,740	28,731,109	181,015	14,370,304	—	—	297,725
1946	562,233	35,246,426	204,769	16,998,605	—	—	357,464
1947	689,435	59,303,735	316,711	37,245,891	—	—	372,724
1948	815,076	84,754,779	389,599	51,416,115	150	21,060	425,627
1949	855,784	81,591,655	470,160	54,812,327	2,199	266,556	387,823
1950	1,053,588	104,512,027	581,994	70,244,716	2,185	270,363	473,779
1951	1,216,907	177,903,281	709,467	130,166,335	4,047	563,504	511,487
1952	1,092,038	138,290,487	644,923	103,505,801	4,530	622,355	451,645
1953	1,205,628	133,164,217	705,659	88,707,314	7,473	907,719	507,442
1954	1,386,127	149,370,244	844,759	103,725,925	11,593	1,379,794	552,961
1955	1,470,927	161,136,473	892,138	113,023,434	12,932	1,571,112	591,721
BLEACHED							
1947	194,326	24,214,603	181,416g	23,448,238g	n.a.	n.a.	n.a.
1948	255,346	37,227,821	232,538g	32,720,596g	n.a.	n.a.	n.a.
1949	362,283	46,552,144	331,902g	41,610,544g	n.a.	n.a.	n.a.
1950	436,810	58,225,315	392,291g	51,379,786g	n.a.	n.a.	n.a.
1951	524,658	98,296,448	475,976g	87,366,927g	n.a.	n.a.	n.a.
1952	524,513	84,457,294	490,986g	80,407,020g	n.a.	n.a.	n.a.
1953	579,537	81,522,029	534,586g	72,812,932g	n.a.	n.a.	n.a.
1954	695,460	92,754,473	639,804g	84,721,957g	n.a.	n.a.	n.a.
1955	730,637	99,886,544	670,445g	90,940,805g	n.a.	n.a.	n.a.
SEMI-BLEACHED							
1947	21,451	2,010,424	n.a.	n.a.	n.a.	n.a.	n.a.
1948	17,060	1,861,103	n.a.	n.a.	n.a.	n.a.	n.a.
1949	10,184	899,759	n.a.	n.a.	n.a.	n.a.	n.a.
1950	12,897	1,321,272	n.a.	n.a.	n.a.	n.a.	n.a.
1951	11,054	1,150,508	n.a.	n.a.	n.a.	n.a.	n.a.
1952	15,320	1,714,681	n.a.	n.a.	n.a.	n.a.	n.a.
1953	24,666	2,919,470	n.a.	n.a.	n.a.	n.a.	n.a.
1954	46,187	4,723,736	n.a.	n.a.	n.a.	n.a.	n.a.
1955	60,410	6,286,555	n.a.	n.a.	n.a.	n.a.	n.a.
UNBLEACHED							
1947	473,658	33,078,708	135,295	13,797,653	n.a.	n.a.	n.a.
1948	542,670	45,665,855	157,061	18,695,519	n.a.	n.a.	n.a.
1949	483,317	34,139,752	138,258	13,201,783	n.a.	n.a.	n.a.
1950	603,881	44,965,440	189,703	18,864,930	n.a.	n.a.	n.a.
1951	681,195	78,456,325	233,491	42,799,408	n.a.	n.a.	n.a.
1952	552,205	52,118,512	153,937	23,098,781	n.a.	n.a.	n.a.
1953	601,425	48,722,718	171,073	15,894,382	n.a.	n.a.	n.a.
1954	644,480	51,892,035	204,955	19,003,968	n.a.	n.a.	n.a.
1955	679,880	54,963,374	221,693	22,082,629	n.a.	n.a.	n.a.

g: Includes semi-bleached.

Other footnotes: See Table 26.

Source: Dominion Bureau of Statistics.

Table 33. Consumption of Wood-Pulp in Paper, Paperboard, and Other Board Production, by Sources

Year	All Kinds Tons	Bleached Sulphite Tons	Unbleached Sulphite Tons	Sulphate Tons	Mechanical Tons	Screenings Tons(*)	Defibrated & Exploded Tons(**)	Other Wood-Pulp Tons
1920 - 1951								
OWN PULP FROM SAME MILL								
1920	963,762	3,630	199,507	51,041	702,519	—	—	7,065
1925	1,643,123	14,184	285,294	95,099	1,222,210	25,305	—	1,031
1930	2,736,964	20,523	560,977	71,755	2,045,504	37,833	—	372
1935	3,041,835	26,357	508,748	108,319	2,354,442	43,119	—	850
1940	3,959,472	46,627	585,314	191,573	3,067,887	63,113	—	4,958
1941	3,132,158	49,996	606,079	214,050	3,203,887	53,508	—	4,638
1942	3,846,947	64,852	540,453	227,046	2,957,592	51,874	—	5,130
1943	3,574,185	50,981	500,084	211,526	2,759,392	47,661	—	4,541
1944	3,651,322	58,306	453,584	242,900	2,840,653	51,331	—	4,548
1945	3,978,373	58,601	517,586	249,896	3,057,837	53,585	23,803	17,065
1946	4,922,055	60,573	699,812	318,359	3,712,242	69,657	48,549	12,863
1947	5,249,369	67,720	759,869	339,665	3,928,813	76,895	52,613	23,794
1948	5,534,167	64,534	811,142	374,707	4,077,780	88,225	65,636	52,143
1949	5,991,912	67,435	928,159	363,564	4,427,388	81,135	75,403	48,828
1950	6,213,302	74,043	956,733	403,458	4,566,343	63,788	88,962	59,975
1951	6,583,069	80,225	1,036,328	435,335	4,743,924	80,731	113,166	93,360
PURCHASED PULP AND OWN PULP FROM OTHER MILLS								
1920	193,135	19,805	70,726	4,631	96,640	—	—	1,333
1925	204,630	29,194	96,522	10,113	57,733	9,653	—	1,415
1930	160,178	34,010	54,034	13,063	23,208	26,994	—	8,869
1935	170,869	45,896	49,046	25,578	14,936	27,677	—	7,736
1940	217,407	54,459	64,605	36,081	19,338	32,717	—	10,207
1941	232,171	60,435	65,186	37,830	23,099	33,529	—	12,092
1942	214,511	59,406	67,231	38,682	12,154	27,308	—	9,730
1943	214,132	63,090	59,356	42,720	14,580	24,455	—	9,931
1944	208,323	61,266	53,035	45,452	11,182	27,598	—	9,790
1945	220,733	75,444	43,851	48,645	12,184	30,932	—	9,677
1946	261,500	83,305	69,680	39,789	16,498	41,929	—	10,299
1947	335,692	98,896	101,835	39,941	35,570	47,590	—	11,860
1948	319,133	93,780	104,061	39,882	31,689	37,569	—	12,152
1949	347,095	91,213	84,932	44,776	89,222	26,077	—	10,875
1950	378,704	102,659	97,327	59,268	83,365	26,089	—	9,996
1951	432,813	114,842	105,401	72,290	100,872	28,461	—	10,947
1952 - 1963								
OWN PULP FROM SAME MILL								
1952	6,660,897	78,880	1,081,585	410,030	4,845,369	68,476	109,727	66,830
1953	6,744,045	74,710	1,118,222	437,985	4,844,401	59,997	125,443	83,287
1954	7,047,544	75,765	1,198,224	457,571	5,058,049	66,380	113,266	78,289
1955	7,315,431	76,234	1,303,254	475,197	5,156,788	64,997	139,136	99,825
1956	7,840,417	95,762	1,437,895	585,100	5,376,968	55,845	170,954	117,893
1957	7,674,107	95,120	1,412,201	573,170	5,284,747	50,551	152,366	105,952
1958	7,450,485	97,737	1,287,811	639,872	5,113,472	42,774	167,720	101,099
1959	7,894,261	108,980	1,342,572	729,797	5,376,166	49,237	173,619	113,890
1960	8,369,625	107,274	1,479,580	803,430	5,608,141	45,612	157,727	167,861
1961	8,389,009	112,806	1,487,205	842,109	5,614,387	44,770	124,616	163,116
1962	8,422,378	118,344	1,423,908	933,712	5,603,183	35,423	146,656	161,152
1963	8,565,919e	108,598e	1,415,530e	1,106,981e	5,563,607e	35,279e	164,143e	171,781e
OWN PULP FROM OTHER MILLS								
1952	216,496	51,874	78,942	16,459	49,083	17,007	—	3,131
1953	198,812	55,528	90,626	23,313	8,534	16,829	—	3,982
1954	204,944	58,225	93,327	24,354	8,145	17,425	—	3,468
1955	228,622	58,796	108,670	29,624	8,326	18,207	—	4,999
1956	228,028	52,826	101,746	30,309	20,087	17,147	—	5,913
1957	202,014	59,459f	86,052	28,191	12,498	10,027	—	5,787
1958	152,389	53,297f	62,119	21,725	7,617	5,023	—	2,608
1959	171,270	58,845f	77,550	21,587	5,401	5,989	—	1,898
1960	169,975	70,719f	65,027	23,675	4,570	4,036	—	1,948
1961	179,486	73,753f	58,977	32,142	2,475	9,856	—	2,283
1962	256,075	78,831	68,839	90,205	3,624	8,642	—	5,934
1963	266,129e	72,349e	68,462e	106,921e	3,349e	8,609e	—	6,439e
PURCHASED PULP								
1952	176,005	47,165	26,516	45,680	34,360	10,047	312	11,925
1953	204,160	48,701	32,615	52,759	49,576	10,586	23	9,900
1954	203,987	47,607	31,491	72,833	27,701	12,182	—	12,173
1955	255,824	53,923	45,410	85,818	48,388	8,376	—	13,909
1956	270,827	65,372	47,677	87,562	42,182	6,119	—	21,915
1957	266,839	59,992f	48,723	100,492	30,187	6,780	2,322	18,343
1958	278,653	59,884f	55,918	110,690	15,385	9,840	3,428	23,508
1959	301,612	54,781f	47,376	137,301	16,305	9,208	7,258	29,383
1960	293,175	55,263f	38,697	141,363	12,382	9,178	7,842	28,450
1961	305,947	64,468f	34,633	157,888	11,427	9,767	—	27,764
1962	320,016	71,913f	24,206	173,756	14,343	8,260	—	27,538
1963	348,218e	65,979ef	23,976e	206,032e	14,512e	8,223e	—	29,496e

e: Canadian Pulp and Paper Association estimate.
f: Includes Dissolving and Special Alpha (Sulphite and Sulphate).

* See note Table 30.
** See note Table 28.

Note: Prior to 1952 transfers of own pulp from one mill to another were reported as purchases by the consuming mills and as sales by the producing mills.

Source: Dominion Bureau of Statistics.

Table 34. Consumption of Wood-Pulp in Paper, Paperboard, and Other Board Production, by Kinds

Year	All Kinds Tons	Bleached Sulphite Tons	Unbleached Sulphite Tons	Sulphate Tons	Mechanical Tons	Screenings Tons(*)	Defibrated & Exploded Tons(**)	Other Wood-Pulp Tons
1920	1,156,897	23,435	270,233	55,672	799,159	—	—	8,398
1925	1,847,753	43,378	381,816	105,212	1,279,943	34,958	—	2,446
1930	2,897,142	54,533	615,011	84,818	2,068,712	64,827	—	9,241
1935	3,212,704	72,253	557,794	133,897	2,369,378	70,796	—	8,586
1936	3,745,959	84,709	639,474	151,568	2,755,974	105,685	—	8,549
1937	4,252,954	77,092	741,051	181,232	3,136,195	106,334	—	11,050
1938	3,122,180	74,380	503,020	147,013	2,312,001	75,876	—	9,890
1939	3,460,614	85,661	530,474	183,771	2,567,348	81,352	—	12,008
1940	4,176,879	101,086	649,919	227,654	3,087,225	95,830	—	15,165
1941	4,364,329	110,431	671,265	251,880	3,226,986	87,037	—	16,730
1942	4,061,458	124,258	607,684	265,728	2,969,746	79,182	—	14,860
1943	3,788,317	114,071	559,440	254,246	2,773,972	72,116	—	14,472
1944	3,859,645	119,572	506,619	288,352	2,851,835	78,929	—	14,338
1945	4,199,106	134,045	561,437	298,541	3,070,021	84,517	23,803	26,742
1946	5,183,555	143,878	769,492	358,148	3,728,740	111,586	48,549	23,162
1947	5,585,061	166,616	861,704	379,606	3,964,383	124,485	52,613	35,654
1948	5,853,300	158,314	915,203	414,589	4,109,469	125,794	65,636	64,295
1949	6,339,007	158,648	1,013,091	408,340	4,516,610	107,212	75,403	59,703
1950	6,592,006	176,702	1,054,060	462,726	4,649,708	89,877	88,962	69,971
1951	7,015,882	195,067	1,141,729	507,625	4,844,796	109,192	113,166	104,307
1952	7,053,398	177,919	1,187,043	472,169	4,928,812	95,530	110,039	81,886
1953	7,147,017	178,939	1,241,463	514,057	4,902,511	87,412	125,466	97,169
1954	7,456,475	181,597	1,323,042	554,758	5,093,895	95,987	113,266	93,930
1955	7,799,877	188,953	1,457,334	590,639	5,213,502	91,580	139,136	118,733
1956	8,339,272	213,960	1,587,318	702,971	5,438,237	79,111	170,954	145,721
1957	8,142,960	214,571f	1,546,976	701,853	5,327,432	67,358	154,688	130,082
1958	7,881,527	210,918f	1,405,848	772,287	5,136,474	57,637	171,148	127,215
1959	8,367,143	222,606f	1,467,498	888,685	5,397,872	64,434	180,877	145,171
1960	8,832,775	233,256f	1,583,304	968,468	5,625,093	58,826	165,569	198,259
1961	8,874,442	251,027f	1,580,815	1,032,139	5,628,289	64,393	124,616	193,163
1962	8,998,469	269,088f	1,516,953	1,197,673	5,621,150	52,325	146,656	194,624
1963	9,180,266e	246,926ef	1,507,968e	1,419,934e	5,581,468e	52,111e	164,143e	207,716e

e: Canadian Pulp and Paper Association estimate.

f: Includes Dissolving and Special Alpha (Sulphite and Sulphate).

* See note Table 30.

** See note Table 28.

Source: Dominion Bureau of Statistics.

Table 35. Imports of Wood-Pulp

Year	All Kinds Tons	Bleached Sulphite* Tons	Unbleached Sulphite Tons	Sulphate Tons	Mechanical Tons	Other Wood-Pulp Tons
1920	21,142	50	13,162	3,587e	3,586e	757
1925	23,423	320	20,484	—	1,353	1,266
1930	18.526	1,291	12,937	1,672	2,604	22
1935	16,378	106	16,104	—	117	51
1936	19,201	31	19,008	1	43	118
1937	21,054	20	20,443	c	415	176
1938	16,979	61	15,970	639	240	69
1939	21,544	895	19,334	1,112	21	182
1940	19,996	1,661	18,009	159	142	25
1941	20,653	1,031	16,047	—	3,575	—
1942	21,450	1,861	19,589	—	—	—
1943	21,662	3,046	18,616	—	—	—
1944	13,747	3,391	10,356	—	—	—
1945	14,510	2,999	10,758	—	753	—
1946	14,471	4,121	10,295	—	55	—
1947	28,326	4,963	22,121	—	1,242	—
1948	33,004	5,290	25,295	150	2,269	—
1949	35,432	8,824	23,979	2,199	362	68
1950	36,583	7,245	25,941	2,185	1,185	27
1951	36,416	5,061	25,758	4,047	1,548	2
1952	54,589	6,985	27,678	4,530	15,396	—
1953	43,384	6,792	26,573	7,473	2,546	—
1954	51,691	7,477	28,630	11,593	3,991	—
1955	59,636	13,138	33,431	12,932	135	—
1956	63,904	12,164	38,697	13,043	—	—
1957	64,884	14,923	31,700	18,261	—	—
1958	53,769	12,764	22.057	18,923	25	—
1959	65,308	16,866	23,112	25,330	—	—
1960	63,904	20,270	26,469	17,060	105	—
1961	61,748	21,157	27,255	13,267	69	—
1963	74,208	31,718	29,303	13,187	—	—

*Includes sulphite dissolving pulp.

Source: Dominion Bureau of Statistics.

Table 36. World Wood-Pulp Production, 1953-1962

(000's OF SHORT TONS)

	Canada			United States			Scandinavia			Other Countries			Total		
	Mechanical	Chemical	All Grades	Mechanical	Chemical	All Grades	Mechanical	Chemical	All Grades	Mechanical	Chemical	All Grades	Mechanical	Chemical	All Grades
1953	5,281	3,794	9,075	3,495	14,037	17,532	2,270	4,580	6,850	3,891	5,734	9,625	14,937	28,145	43,082
1954	5,485	4,185	9,670	3,682	14,570	18,252	2,526	5,514	8,040	4,325	6,482	10,807	16,018	30,751	46,769
1955	5,636	4,513	10,149	4,136	16,598	20,734	2,684	6,012	8,696	4,664	7,127	11,791	17,120	34,250	51,370
1956	5,922	4,809	10,731	4,211	17,914	22,125	2,824	6,204	9,028	5,061	7,891	12,952	18,018	36,818	54,836
1957	5,754	4,580	10,422	4,267	17,527	21,794	2,874	6,631	9,505	5,338	8,460	13,710	18,233	37,198	55,431
1958	5,564	4,571	10,135	4,022	17,768	21,790	2,791	6,496	9,287	5,542	8,639	14,181	17,919	37,474	55,393
1959	5,848	4,891	10,829	4,468	17,926	24,317	2,960	6,863	9,864	5.750	9,403	15,495	19,026	39,083	60,505
1960	6,060	5,253	11,457	4,496	18,823	25,310	3,380	7,769	11,208	6,275	10,656	17,247	20,211	42,501	65,222
1961	6,039	5,484	11,653	4,432	19,732	26,516	3,607	8,387	12,342	6,482	11,420	18,479	20,560	45,023	68,990
1962p	6,046	5,740	11,925	4,632	20,715	27,822	3,582	8,375	12,240	6,666	11,775	19,385	20,926	46,605	71,372

p: preliminary.

Sources: FAO World Forest Products Statistics — A ten-year Summary, 1946-55, and FAO Yearbooks of Forest Products Statistics, 1956 to 1963.

Table 37. World Wood-Pulp Exports, 1953-1962

(000's OF SHORT TONS)

	Canada			United States			Scandinavia			Other Countries			Total		
	Mechanical	Chemical	All Grades	Mechanical	Chemical	All Grades	Mechanical	Chemical	All Grades	Mechanical	Chemical	All Grades	Mechanical	Chemical	All Grades
1953	234	1,716	1,950	—	162	162	906	3,245	4,151	17	359	376	1,157	5,482	6,639
1954	238	1,942	2,180	—	441	441	1,032	3,432	4,464	14	500	514	1,284	6,315	7,599
1955	268	2,098	2,366	—	633	633	1,069	3,674	4,743	30	598	628	1,367	7,003	8,370
1956	284	2,089	2,373	—	526	526	1,152	3,876	5,028	24	678	702	1,460	7,169	8,629
1957	252	2,030	2,282	—	630	630	1,097	3,856	4,953	34	713	747	1,383	7,229	8,612
1958	233	1,985	2,218	—	515	515	953	3,869	4,822	21	876	897	1,207	7,245	8,452
1959	245	2,205	2,450	—	652	652	998	4,341	5,339	19	918	937	1,262	8,116	9,378
1960	239	2,362	2,601	—	1,142	1,142	1,189	4,682	5,878	21	1,059	1,085	1,449	9,245	10,706
1961	239	2,628	2,867	—	1,178	1,178	1,147	4,464	5,611	22	1,083	1,105	1,408	9,353	10,761
1962p	262	2,781	3,043	—	1,186	1,186	1,048	4,810	5,858	18	1,077	1,095	1,328	9,854	11,182

p: preliminary.

Sources: FAO World Forest Products Statistics — A ten-year Summary, 1946-55, and FAO Yearbooks of Forest Products Statistics, 1956 to 1963.

Table 38. World Pulp Figures, 1962*

In 000's of short tons

	Production	Imports	Exports
Canada	11,925	63	3,043
United States	27,832	2,519	1,186
	39,757	2,582	4,229
Finland	4,906	2	1,883
Norway	1,615	43	844
Sweden	5,719	3	3,131
	12,240	48	5,858
Western & Central Europe(a)	5,777	6,492	499
All Other Countries	13,598	2,138	596
Total	71,372	11,260	11,182

(a) Includes Austria, Belgium-Luxembourg, Denmark†, Federated Republic of Germany, France, Greece†, Ireland, Italy, Netherlands, Portugal, Spain, Switzerland, United Kingdom†, and Yugoslavia.

*Includes data from major pulp producing and consuming countries for which reliable and current data are available.

†Production figures not available for 1962.

Source: FAO Yearbook of Forest Products Statistics, 1963.

"D"—NEWSPRINT

Data in this section have been compiled by Newsprint Association of Canada from the sources mentioned.

Throughout this section Newfoundland statistics are included, unless otherwise noted, in the Canadian totals for all years.

Table 39. Newsprint Capacity, Production and Shipments

Tons	Annual Capacity	Annual Production	Oper. Ratio	Shipments To U.S.A.	Shipments To Overseas	Total Exports	Shipments in Canada	Total Shipments	Mill Stocks
1915	.....	549,000	....	329,000	95,000	424,000	.....	.....	.....
1920	1,016,000	938,000	92.3	679,306	160,000	839,306	110,000	949,306	67,999
1925	1,823,000	1,618,805	88.8	1,315,404	148,000	1,463,404	124,000	1,587,404	104,184
1930	3,902,000	2,791,406	71.5	2,145,471	442,000	2,587,471	162,000	2,749,471	160,128
1931	4,127,000	2,516,437	61.0	1,915,838	377,000	2,292,838	195,000	2,487,838	188,727
1932	4,142,000	2,186,120	52.8	1,647,216	386,000	2,033,216	146,000	2,179,216	195,631
1933	4,149,000	2,282,066	55.0	1,715,331	459,447	2,174,778	148,640	2,323,418	154,279
1934	4,182,000	2,911,355	69.6	2,113,767	625,877	2,739,644	173,755	2,913,399	152,235
1935	4,263,120	3,082,994	72.3	2,122,099	727,338	2,849,437	200,303	3,049,740	185,489
1936	4,217,860	3,535,465	83.8	2,550,925	845,778	3,396,703	194,808	3,591,511	129,443
1937	4,210,743	3,997,942	94.9	3,044,731	766,933	3,811,664	220,200	4,031,864	95,521
1938	4,534,884	2,892,984	63.8	1,940,303	680,229	2,620,532	159,792	2,780,324	208,181
1939	4,632,936	3,174,544	68.5	2,281,460	653,151	2,934,611	190,102	3,124,713	258,012
1940	4,716,030	3,769,946	79.9	2,741,363	877,851	3,619,214	184,605	3,803,819	224,139
1941	4,702,671	3,770,665	80.2	2,987,235	616,890	3,604,125	197,508	3,801,633	193,171
1942	4,763,235	3,454,528	72.5	3,006,592	278,791	3,285,383	203,484	3,488,867	158,832
1943	4,677,951	3,219,004	68.8	2,680,790	398,640	3,079,430	193,848	3,273,278	104,558
1944	4,726,464	3,264,581	69.1	2,529,693	553,457	3,083,150	188,261	3,271,411	97,728
1945	4,672,080	3,591,901	76.9	2,665,947	685,469	3,351,416	201,492	3,552,908	136,721
1946	4,640,944	4,506,063	97.1	3,563,124	684,770	4,247,894	248,366	4,496,260	146,524
1947	4,728,724	4,820,164	101.9	3,897,300	700,839	4,598,139	275,144	4,873,283	93,405
1948	4,883,127	4,982,834	102.0	4,127,970	532,589	4,660,559	306,485	4,967,044	109,195
1949	5,113,108	5,176,327	101.2	4,380,250	448,697	4,828,947	335,385	5,164,332	121,190
1950	5,226,675	5,278,585	101.0	4,748,228	207,803	4,956,031	354,602	5,310,633	89,142
1951	5,359,816	5,516,279	102.9	4,783,549	360,067	5,143,616	359,895	5,503,511	101,910
1952	5,510,397	5,687,051	103.2	4,835,065	462,616	5,297,681	368,768	5,666,449	122,512
1953	5,722,640	5,721,296	100.0	4,861,372	472,915	5,334,287	398,277	5,732,564	111,244
1954	5,919,917	5,984,207	101.1	4,875,031	674,534	5,549,565	420,896	5,970,461	124,990
1955	6,064,489	6,190,647	102.1	5,070,211	734,902	5,805,113	430,444	6,235,557	80,080
1956	6,242,514	6,468,815	103.6	5,229,748	741,944	5,971,692	477,130	6,448,822	100,073
1957	6,756,071	6,396,501	94.7	5,054,729	852,664	5,907,393	456,728	6,364,121	132,453
1958	7,238,516	6,095,553	84.2	4,826,696	782,328	5,609,024	434,292	6,043,316	184,690
1959	7,520,681	6,394,172	85.0	5,117,766	834,938	5,952,704	472,579	6,425,283	153,579
1960	7,611,194	6,738,611	88.5	5,279,227	986,072	6,265,299	487,102	6,752,401	139,789
1961	7,734,058	6,734,759	87.1	5,226,673	988,867	6,215,540	491,931	6,707,471	167,077
1962	7,979,588	6,690,899	83.9	5,228,624	940,829	6,169,453	510,551	6,680,004	177,972
1963	8,243,843	6,630,483	80.4	5,179,634	919,928	6,099,562	522,718	6,622,280	186,175

Capacity is shown as at the beginning of each year plus allowances for new machines from the date they are expected to operate. It is possible for production to exceed capacity partly because no allowance is made for improvements in equipment during the year.

Source: Newsprint Association of Canada.

Table 40. Daily Capacity and Production

Tons	Number of Work Days	Capacity Per Day	Production Per Day
1935	310	13,752	9,945
1936	310	13,606	11,405
1937	309	13,627	12,938
1938	309	14,676	9,362
1939	308	15,042	10,307
1940	310	15,213	12,161
1941	309	15,219	12,203
1942	309	15,415	11,180
1943	309	15,139	10,417
1944	309	15,296	10,565
1945	309	15,120	11,624
1946	308	15,068	14,630
1947	308	15,353	15,650
1948	309	15,803	16,126
1949	308	16,601	16,806
1950	307	17,025	17,194
1951	308	17,402	17,910
1952	309	17,833	18,405
1953	308	18,580	18,576
1954	311	19,030	19,306
1955	310	19,559	19,963
1956	310	20,115	20,890
1957	311	21,701	20,614
1958	312	23,175	19,559
1959	311	24,162	20,545
1960	313	24,339	21,544
1961	315	24,559	21,408
1962	323	24,712	20,745
1963	329	25,072	20,215

Because of variations in the number of workdays, daily capacity provides the most accurate measurement of changes in capacity.

Source: Newsprint Association of Canada.

Table 41. Newsprint Shipments Overseas

Tons	British Isles	Australia & N.Z.	South America	Central America	All Others
1935	330,331	143,106	95,907	21,707	136,287
1936	347,516	232,502	104,439	35,016	126,305
1937	408,043	125,222	101,468	42,508	89,692
1938	384,149	213,400	35,245	15,351	32,084
1939	354,211	171,839	54,501	29,757	42,843
1940	335,586	196,028	172,153	56,454	117,630
1941	150,863	91,441	208,144	60,735	105,707
1942	69,659	10,780	99,336	64,355	34,661
1943	127,856	52,202	133,188	47,308	38,086
1944	149,934	111,543	140,686	75,883	75,411
1945	223,044	116,211	146,700	78,957	120,557
1946	119,631	195,067	158,373	96,576	115,123
1947	131,203	212,444	131,658	102,382	123,152
1948	123,310	78,196	95,213	112,198	123,672
1949	126,484	74,000	33,417	106,332	108,464
1950	28,056	33,030	16,469	88,454	41,794
1951	103,462	37,671	15,463	116,306	87,165
1952	135,749	76,266	29,020	134,008	87,573
1953	189,591	48,396	30,420	127,997	76,511
1954	272,781	76,710	54,289	132,038	138,716
1955	306,910	99,202	51,621	115,120	162,049
1956	355,197	73,779	54,804	137,524	120,640
1957	395,901	82,890	77,957	161,587	134,329
1958	394,355	79,730	54,947	146,759	106,537
1959	415,392	102,282	36,153	171,074	110,037
1960	479,496	162,474	74,174	160,387	109,451
1961	459,151	146,633	117,287	154,764	111,032
1962	498,106	109,566	77,057	155,661	100,439
1963	457,509	81,426	77,754	167,072	136,167

Source: Newsprint Association of Canada.

Table 42. Value of Newsprint Production and Exports

Figures for 1915-1948 do not include Newfoundland.

	Production	Exports
1915	$ n.a.	$ 16,438,679
1920	80,865,271	72,920,225
1925	106,268,641	98,945,337
1930	136,181,883	133,370,932
1931	111,419,637	107,233,112
1932	85,539,852	82,966,199
1933	66,959,501	69,200,515
1934	86,811,460	82,503,659
1935	88,436,465	87,924,251
1936	105,214,533	103,639,634
1937	126,424,303	126,466,412
1938	107,051,202	104,615,042
1939	120,858,583	115,687,288
1940	158,447,311	151,360,196
1941	158,925,310	154,356,543
1942	147,074,109	141,065,618
1943	152,962,868	144,707,065
1944	165,655,165	157,190,834
1945	189,023,736	179,450,771
1946	280,809,610	265,864,969
1947	355,540,669	342,293,158
1948	402,099,718	383,122,743
1949	467,976,343	440,054,067
1950	506,968,207	485,746,314
1951	564,361,193	536,372,498
1952	600,515,960	591,790,209
1953	633,408,019	619,033,394
1954	657,487,344	635,669,692
1955	688,338,369	665,876,987
1956	735,644,049	708,384,822
1957	729,009,081	715,489,761
1958	699,906,388	690,209,468
1959	730,455,460	722,271,166
1960	783,364,089	757,930,406
1961	809,602,323	761,312,790
1962	821,379,817	753,059,629
1963	813,540,000e	759,989,558

e: Canadian Pulp and Paper Association estimate.

n.a.: not available.

Note: Dominion Bureau of Statistics figures differ slightly from those acquired from the mills by the Newsprint Association of Canada.

Source: Dominion Bureau of Statistics.

Table 43. Newsprint and Total Canadian Exports to United States

Millions of Dollars

Year	Newsprint* Exports to U.S.	Total Exports to U.S.	Percent Newsprint of Total
1910	1.2	104.2	1.2
1914	9.8	163.4	6.0
1920	46.8	464.0	10.0
1925	89.1	420.4	21.2
1930	115.3	395.7	29.1
1931	94.4	257.1	36.7
1932	72.0	162.6	44.3
1933	58.3	187.9	31.0
1934	68.1	301.2	22.6
1935	71.0	358.6	19.8
1936	83.5	406.7	20.5
1937	105.9	470.2	22.5
1938	85.6	270.5	31.6
1939	97.8	380.4	25.7
1940	120.6	443.0	27.2
1941	130.9	599.7	21.8
1942	132.4	885.5	15.0
1943	131.4	1,149.2	11.4
1944	135.2	1,301.3	10.4
1945	148.4	1,197.0	12.4
1946	225.6	887.9	25.4
1947	293.5	1,034.2	28.4
1948	342.8	1,501.0	22.8
1949	396.4	1,510.1	26.2
1950	465.3	2,021.0	23.0
1951	500.5	2,297.7	21.8
1952	534.4	2,307.0	23.2
1953	564.5	2,418.9	23.3
1954	558.6	2,317.2	24.1
1955	578.3	2,559.3	22.6
1956	615.9	2,818.7	21.9
1957	610.3	2,867.6	21.3
1958	590.2	2,828.6	20.9
1959	614.7	3,107.8	19.8
1960	631.2	2,932.2	21.5
1961	629.8	3,107.2	20.3
1962	633.0	3,608.4	17.5
1963	636.1	3,766.4	16.9

* Excludes mutilated newsprint.

For the period 1910 to 1925 inclusive figures relate to fiscal years.

Note: See footnote in Table 42.

Source: Dominion Bureau of Statistics.

Table 44. Value of Newsprint and Total Pulp and Paper Production

Figures for 1928-1948 do not include Newfoundland
Millions of Dollars

Year	Newsprint Production	Total Production	Newsprint Percent of Total
1928	144.1	233.1	61.8
1929	150.8	244.0	61.8
1930	136.2	216.0	63.1
1931	111.4	174.7	63.8
1932	85.5	135.6	63.1
1933	67.0	123.4	54.3
1934	86.8	152.6	56.9
1935	91.8	159.3	57.6
1936	105.2	183.6	57.3
1937	126.4	226.2	55.9
1938	107.1	183.9	58.2
1939	120.9	208.2	58.1
1940	158.4	298.0	53.2
1941	158.9	334.7	47.5
1942	147.1	336.7	43.7
1943	153.0	344.4	44.4
1944	165.7	369.8	44.8
1945	189.0	398.8	47.4
1946	280.8	527.8	53.2
1947	355.5	707.0	50.3
1948	402.1	825.9	48.7
1949	468.0	836.1	56.0
1950	507.0	954.1	53.1
1951	564.4	1,237.9	45.6
1952	600.5	1,157.9	51.9
1953	633.4	1,179.7	53.7
1954	657.5	1,241.6	53.0
1955	688.3	1,326.9	51.9
1956	735.6	1,465.1	50.2
1957	729.0	1,419.3	51.4
1958	699.9	1,406.6	49.8
1959	730.4	1,496.6	48.8
1960	783.4	1,579.6	49.6
1961	809.6	1,639.7	49.4
1962	821.4	1,722.5	47.7

Note: See footnote in Table 42.

Source: Dominion Bureau of Statistics.

Table 45. U.S. Prices and Price Indexes

	Canadian Newsprint U.S. Dollars	Newsprint Index 1926 = 100	U.S. Dollars in Canada
1915	41.78	59.7	1.0040
1920	112.60	160.9	1.1201
1925	76.80	109.7	1.0004
1930	62.00	88.6	1.0016
1931	57.00	81.4	1.0381
1932	48.33	69.0	1.1352
1933	41.25	58.9	1.0874
1934	40.00	57.1	.9900
1935	40.00	57.1	1.0051
1936	41.00	58.6	1.0006
1937	42.50	60.7	.9999
1938	50.00	71.4	1.0056
1939	50.00	71.4	1.0370
1940	50.00	71.4	1.1050
1941	50.00	71.4	1.1050
1942	50.00	71.4	1.1050
1943	54.66	78.1	1.1050
1944	58.00	82.9	1.1050
1945	60.25	86.1	1.1045
1946	72.25	103.2	1.0575
1947	88.50	126.4	1.0025
1948	97.67	139.5	1.0025
1949	100.00	142.9	1.0308
1950	101.00	144.3	1.0892
1951	111.00	158.6	1.0528
1952	121.00	172.9	.9789
1953	126.00	180.0	.9834
1954	126.00	180.0	.9732
1955	126.00	180.0	.9863
1956	130.00	185.7	.9841
1957	133.00	190.0	.9588
1958	134.00	191.0	.9706
1959	134.00	191.0	.9590
1960	134.00	191.0	.9697
1961	134.00	191.0	1.0132
1962	134.00	191.0	1.0689
1963	134.00	191.0	1.0785

Newsprint Prices: Annual Average, Delivered at New York.
Source Exchange Rates: Federal Reserve System; Bank of Canada.

Table 46. Principal Newsprint Producers Overseas

	FINLAND		NORWAY		SWEDEN		SCANDINAVIA		BRITAIN		
Tons	Production	Exports	Production	Exports	Production	Exports	Production	Exports	Tons	Production	Exports
1929	219,198	200,100	203,976	186,065	281,781	218,621	704,955	604,786	1929	637,000	107,672
1930	228,577	206,130	202,510	186,851	244,972	188,803	676,059	581,784	1930	607,992	88,878
1931	232,984	209,324	108,412	95,111	268,737	199,574	610,133	504,009	1931	719,040	66,340
1932	223,784	211,550	199,268	174,047	261,209	202,908	684,261	588,505	1932	789,992	94,028
1933	263,895	243,925	166,820	148,694	270,125	201,329	700,840	593,948	1933	830,032	88,882
1934	294,739	279,171	154,410	135,531	277,861	207,365	727,010	622,067	1934	940,016	66,406
1935	320,923	295,973	192,485	170,162	301,756	229,689	815,164	695,824	1935	970,032	78,884
1936	402,016	364,964	188,131	174,668	288,615	197,483	878,762	737,115	1936	1,003,968	86,423
1937	448,829	418,745	225,832	198,886	309,965	221,103	984,626	838,734	1937	1,032,976	63,497
1938	458,493	390,374	199,513	166,637	288,615	176,304	946,621	733,315	1938	953,999	63,036
1939	550,363	432,589	221,562	188,330	306,127	199,210	1,078,052	820,129	1939	848,002	41,731
1940	94,554	62,346	68,207	46,250	139,746	51,389	302,507	159,985	1940	332,640	7,939
1941	63,728	54,113	42,193	24,622	108,415	11,912	214,336	90,647	1941	168,000	248
1942	89,109	67,154	37,082	21,522	187,523	76,956	313,714	165,632	1942	156,464	78
1943	128,155	109,500	35,300	24,047	187,374	64,382	350,829	197,929	1943	144,892	296
1944	93,216	50,800	28,757	13,589	216,031	77,654	338,004	142,043	1944	169,179	688
1945	122,735	100,735	59,874	41,083	228,725	85,619	411,334	227,437	1945	181,037	3,702
1946	263,072	236,225	121,680	96,175	289,070	138,039	673,822	470,439	1946	330,176	17,291
1947	297,065	273,365	125,302	100,070	298,621	167,041	720,988	540,476	1947	282,240	3,233
1948	356,058	317,971	157,248	128,373	327,332	195,949	840,638	642,293	1948	335,630	22,213
1949	423,413	391,148	171,259	158,230	344,867	233,057	939,539	782,435	1949	529,135	67,758
1950	459,826	416,207	175,235	147,546	357,904	225,998	992,965	789,751	1950	609,280	114,271
1951	453,758	415,088	179,679	144,901	365,496	221,560	998,933	781,549	1951	590,100	106,685
1952	479,981	434,272	167,264	137,841	364,620	239,647	1,011,865	811,760	1952	601,290	82,494
1953	484,164	437,462	172,309	135,280	372,115	226,919	1,028,588	799,661	1953	675,242	139,305
1954	492,863	431,602	173,961	131,414	372,962	213,295	1,039,786	776,311	1954	685,800	143,015
1955	589,825	525,528	183,415	140,212	399,364	217,518	1,172,604	883,258	1955	694,158	155,229
1956	656,900	588,016	206,402	164,969	457,232	274,487	1,304,751	1,011,689	1956	719,958	152,446
1957	686,333	603,462	199,883	155,170	475,908	297,483	1,362,124	1,056,115	1957	731,938	136,372
1958	694,522	632,622	205,034	161,259	498,157	305,770	1,397,713	1,099,651	1958	702,770	116,796
1959	716,013	640,134	230,900	181,661	557,443	355,033	1,504,356	1,176 828	1959	725,632	90,975
1960	744,301	660,401	247,000	192,000	641,274	435,854	1,632,575	1,288,255	1960	831,100	56,321
1961	948,489	822,880	265,431	204,705	683,692	477,807	1,897,612	1,505,392	1961	799,300	30,537
1962	968,517	895,475	259,350	201,551	693,752	452,151	1,921,619	1,549,177	1962	733,983	27,450
1963	1,008,602	907,313	293,063	225,569	707,560	474,490	2,009,225	1,607,372	1963	750,644	25,786

Sources: Ticon; Scannews. Scandinavia covers total of Finland, Norway and Sweden, *Source: British Board of Trade.*

Table 47. U.S. Newsprint Production

Tons	Capacity	Production	Shipments to: U.S.A.	Overseas	Total Shipments
1915	.....	1,239,000	.....	.....	.....
1920	1,548,000	1,511,968	.....	.....	1,502,574
1925	1,721,000	1,530,318	1,521,560	12,785	1,534,345
1930	1,687,000	1,282,372	1,262,721	5,344	1,268,065
1931	1,768,000	1,157,436	1,156,610	1,217	1,157,827
1932	1,771,000	1,008,588	1,008,982	981	1,009,963
1933	1,735,000	946,374	949,730	441	950,171
1934	1,714,000	961,403	962,318	4,197	966,515
1935	1,504,000	912,392	910,895	6,341	917,236
1936	1,471,000	921,408	911,488	5,188	916,676
1937	1,464,000	945,721	940,089	4,540	944,629
1938	1,094,000	820,055	816,295	282	816,577
1939	972,000	939,442	942,240	2,833	945,073
1940	1,081,000	1,013,437	998,378	14,556	1,012,934
1941	1,085,000	1,014,912	995,448	25,333	1,020,781
1942	1,126,000	952,616	932,931	17,670	950,601
1943	1,033,000	804,853	788,932	14,530	803,462
1944	1,033,000	719,802	708,815	14,622	723,437
1945	981,000	724,448	707,433	18,032	725,465
1946	839,000	770,890	753,631	8,381	762,012
1947	845,000	825,554	824,020	8,451	832,471
1948	850,000	867,494	857,540	9,309	866,849
1949	876,000	899,528	883,657	14,003	897,660
1950	992,000	1,014,703	1,002,125	15,151	1,017,276
1951	1,050,000	1,124,748	1,107,552	17,869	1,125,421
1952	1,165,000	1,146,864	1,075,540	67,166	1,142,706
1953	1,170,000	1,083,982	1,057,288	30,394	1,087,682
1954	1,280,000	1,211,156	1,120,590	92,388	1,212,978
1955	1,409,000	1,552,294	1,373,638	176,543	1,550,181
1956	1,625,000	1,717,243	1,582,742	132,628	1,715,370
1957	1,921,000	1,825,897	1,698,477	118,278	1,816,755
1958	2,100,000	1,757,796	1,675,508	85,126	1,760,634
1959	2,390,000	1,964,131	1,909,242	53,267	1,962,509
1960	2,399,000	2,038,422	1,953,681	77,355	2,031,036
1961	2,376,000	2,093,901	1,964,825	121,550	2,086,375
1962	2,471,000	2,153,579	2,085,881	76,143	2,162,024
1963	2,461,000	2,218,044	2,099,437	108,940	2,208,377

These figures are compiled from U.S. mill reports and shipments to overseas show only exports direct from mills. They do not include tonnage delivered to U.S. buyers and subsequently resold for export, such tonnage being included in shipments to U.S.A. Exports as reported by U.S. Department of Commerce are thus higher than mill reports; in 1963, the Department showed exports of 118,205 tons versus 108,940 tons reported by the mills.

Source: Newsprint Service Bureau.

Table 48. U.S. Newsprint Consumption and Stocks

	Consumption				Consumers' Stocks*	
Tons	ANPA	†Percent	Total	Lbs. per Cap.	ANPA	Total
1915	.....	....	1,509,000	30.0	.....	.....
1920	.....	....	2,197,000	41.3	.....	.....
1925	1,808,229	60.0	3,013,715	52.0	163,614	198,252
1930	2,735,428	76.0	3,599,247	58.5	256,472	305,830
1931	2,625,869	81.0	3,241,814	52.3	236,153	278,705
1932	2,265,741	80.0	2,832,176	45.4	196,443	238,790
1933	2,154,106	80.0	2,692,632	42.9	237,403	364,422
1934	2,485,824	80.0	3,107,280	49.2	323,453	480,287
1935	2,675,744	80.0	3,344,680	52.6	294,494	365,686
1936	2,953,557	80.0	3,691,946	57.7	305,385	378,505
1937	3,059,795	80.0	3,824,743	59.4	613,514	832,535
1938	2,737,815	80.0	3,422,269	52.7	315,027	409,929
1939	2,730,217	77.5	3,520,372	53.8	328,424	423,473
1940	2,855,952	76.5	3,731,331	56.5	356,472	465,733
1941	2,946,660	75.0	3,929,773	58.9	385,296	521,508
1942	2,834,940	74.3	3,815,532	56.6	479,349	645,492
1943	2,720,257	75.0	3,627,009	53.1	366,702	488,205
1944	2,351,096	72.5	3,242,891	46.9	342,280	483,822
1945	2,455,116	70.5	3,481,302	49.8	266,344	375,900
1946	3,136,276	73.0	4,296,268	60.8	292,806	409,867
1947	3,564,678	75.0	4,752,904	66.0	377,033	507,219
1948	4,009,829	78.0	5,140,806	70.1	458,145	619,357
1949	4,257,489	77.0	5,529,206	74.1	445,863	608,807
1950	4,541,760	76.5	5,936,941	78.3	424,960	593,252
1951	4,511,023	75.5	5,974,865	77.4	522,196	715,807
1952	4,551,238	76.0	5,988,471	76.3	611,909	820,649
1953	4,668,602	76.0	6,142,986	76.9	551,769	760,510
1954	4,683,698	76.0	6,162,761	75.9	516,363	721,594
1955	5,044,993	76.0	6,638,149	80.3	458,352	672,816
1956	5,208,761	75.5	6,899,020	82.1	635,756	897,739
1957	5,149,099	75.0	6,865,466	80.2	674,980	940,400
1958	4,949,986	74.5	6,644,276	76.3	651,698	907,154
1959	5,327,839	74.5	7,151,461	81.0	658,772	906,851
1960	5,532,154	74.5	7,425,709	82.2	628,092	860,620
1961	5,460,990	74.0	7,379,716	80.4	583,949	827,054
1962	5,577,325	74.5	7,486,342	80.3	603,501	841,047
1963	5,584,871	74.0	7,547,124	79.8	545,090	761,980

* End of Each Year.

† U.S. total consumption is based on consumption reported by the ANPA group. For each year the percentage of total U.S. supply taken by this group is assumed to represent the percentage of total consumption consumed by the group. Total U.S. consumption is obtained by extending ANPA consumption by this percentage to 100. Total consumers' stocks at the beginning of each year plus supplies received less total consumption equals stocks at the end of the year.

ANPA: American Newspaper Publishers Association.

Source: Newsprint Association of Canada.

Table 49. Sources of U.S. Newsprint Supply

Tons	Canada	U.S.A.	Europe	Total
1915	329,000	1,176,000	4,000	1,509,000
1920	679,306	1,465,739	50,561	2,195,606
1925	1,315,404	1,507,580	133,021	2,956,005
1930	2,145,471	1,272,168	134,180	3,551,819
1931	1,915,838	1,147,783	151,068	3,214,689
1932	1,647,216	1,000,124	144,921	2,792,261
1933	1,715,331	949,730	153,203	2,818,264
1934	2,113,767	962,318	147,060	3,223,145
1935	2,122,099	910,895	197,085	3,230,079
1936	2,550,925	911,488	242,352	3,704,765
1937	3,044,731	940,089	293,953	4,278,773
1938	1,940,303	816,295	243,065	2,999,663
1939	2,281,460	942,240	310,216	3,533,916
1940	2,741,363	998,378	33,850	3,773,591
1941	2,987,235	995,448	2,865	3,985,548
1942	3,006,592	932,931	1,527	3,941,050
1943	2,680,790	788,932	0	3,469,722
1944	2,529,693	708,815	0	3,238,508
1945	2,665,947	707,433	0	3,373,380
1946	3,563,124	753,631	13,480	4,330,235
1947	3,897,300	824,020	128,936	4,850,256
1948	4,127,970	857,540	267,434	5,252,944
1949	4,380,250	883,657	254,749	5,518,656
1950	4,748,228	1,002,125	171,033	5,921,386
1951	4,783,549	1,107,552	206,319	6,097,420
1952	4,835,065	1,075,450	182,708	6,093,313
1953	4,861,372	1,057,228	164,097	6,082,757
1954	4,875,031	1,120,590	128,224	6,123,845
1955	5,070,211	1,373,638	145,522	6,589,371
1956	5,229,748	1,582,742	311,453	7,123,943
1957	5,054,729	1,698,477	154,921	6,908,127
1958	4,826,696	1,675,508	108,826	6,611,030
1959	5,117,766	1,909,242	124,150	7,151,158
1960	5,279,227	1,953,681	146,570	7,379,478
1961	5,226,673	1,964,825	154,652	7,346,150
1962	5,228,624	2,085,881	185,830	7,500,335
1963	5,179,634	2,099,437	188,986	7,468,057

Source: All figures for 1913-32 and supply from Europe thereafter are compiled from U.S. Department of Commerce reports; from 1933 to date supplies from Canada and U.S. are compiled from reports to NAC and NSB respectively of mill shipments. Trade Association and government figures are not strictly comparable because of time lag between shipments and arrival dates and because of minor differences o newsprint definition.

Table 50. Consumption by Larger Newspapers

	Tons	
CANADA	1963	1962
Calgary Herald	8,409	8,311
Edmonton Journal	13,611	12,919
Halifax Chronicle-Herald & Mail-Star	7,500	7,500
Hamilton Spectator	13,954	14,052
London Free Press	13,710	13,491
Montreal Gazette	12,145	12,175
Montreal La Presse	35,817	35,997
Montreal Star	28,400	28,600
Ottawa Citizen	8,554	8,682
Quebec Le Soleil-L'Evénement	13,302	11,765
Toronto Globe & Mail	25,320	24,847
Toronto Star	62,855	64,355
Toronto Telegram	33,453	34,059
Vancouver Sun & Province	37,540	35,331
Winnipeg Tribune	7,681	7,838
UNITED STATES		
Atlanta Journal & Constitution	78,712	79,982
Chicago American	46,434	42,441
Chicago Sun-Times & Daily News	135,849	137,123
Chicago Tribune	201,160	195,994
Cleveland Plain Dealer	56,810*	71,855*
Detroit News	139,655*	128,306*
Los Angeles Times	261,384	257,642
Louisville Courier-Journal & Times	46,050	44,942
Milwaukee Journal & Sentinel	99,578	98,253
New York News	196,998*	239,196*
New York Times	190,758*	249,442*
Philadelphia Inquirer	131,511	131,670
St. Louis Post-Dispatch	69,610	68,496
Washington Post	99,350	90,000

*Curtailed by strike.

Source: Newsprint Association of Canada. Figures supplied by the individual newspapers. Most of the consumption figures include newsprint used in weekend supplements and comics.

Table 51. North American Newsprint Stocks*

	Manufacturers		Consumers	
Tons	Canada	United States	United States	TOTAL
1921	72,339	23,934	269,025	365,298
1925	104,184	16,238	198,252	318,674
1930	160,128	32,061	305,830	498,019
1931	188,727	32,709	278,705	500,141
1932	195,631	21,783	238,790	456,204
1933	154,279	19,237	364,422	537,938
1934	152,235	14,125	480,287	646,647
1935	185,489	9,281	365,686	560,456
1936	129,443	14,013	378,505	521,961
1937	95,521	15,105	832,535	943,161
1938	208,181	18,583	409,929	636,693
1939	258,012	12,952	423,473	694,437
1940	224,139	13,455	465,733	703,327
1941	193,171	7,586	521,508	722,265
1942	158,832	9,601	645,492	813,925
1943	104,558	10,992	488,205	603,755
1944	97,728	7,357	483,822	588,907
1945	136,721	6,340	375,900	518,961
1946	146,524	15,218	409,867	571,609
1947	93,405	8,301	507,219	608,925
1948	109,195	8,946	619,357	737,498
1949	121,190	10,814	608,807	740,811
1950	89,142	8,241	593,252	690,635
1951	101,910	7,568	715,807	825,285
1952	122,512	11,726	820,649	954,887
1953	111,244	8,026	760,510	879,780
1954	124,990	6,204	721,594	852,788
1955	80,080	8,317	672,816	761,213
1956	100,073	10,190	897,739	1,008,002
1957	132,453	19,332	940,400	1,092,185
1958	184,690	16,494	907,154	1,108,338
1959	153,579	18,116	906,851	1,078,546
1960	139,789	25,502	860,620	1,025,911
1961	167,077	33,028	827,054	1,027,159
1962	177,972	24,583	841,047	1,043,602
1963	186,175	34,250	761,980	982,405

* End of each year.

Source: Newsprint Association of Canada and Newsprint Service Bureau.

Table 52. U.S. Newspaper Circulation

Million copies; as at Sept. 30 of each year

Year	Morning	Evening	Total Daily	Sunday
1920	....	....	27.8	17.1
1925	....	....	33.7	23.4
1930	....	....	39.6	26.4
1931	....	....	38.8	25.7
1932	13.7	22.7	36.4	24.9
1933	13.2	22.0	35.2	24.0
1934	13.9	22.8	36.7	26.5
1935	14.4	23.7	38.2	28.1
1936	15.3	25.0	40.3	30.0
1937	15.9	25.5	41.4	31.0
1938	15.1	24.5	39.6	30.5
1939	15.5	24.2	39.7	31.5
1940	16.1	25.0	41.1	32.4
1941	16.5	25.6	42.1	33.4
1942	17.1	26.3	43.4	35.3
1943	17.1	27.3	44.4	37.3
1944	18.1	27.9	46.0	37.9
1945	19.2	29.1	48.4	39.9
1946	20.5	30.4	50.9	43.7
1947	20.8	30.9	51.7	45.1
1948	21.1	31.2	52.3	46.3
1949	21.0	31.8	52.8	46.4
1950	21.3	32.5	53.8	46.6
1951	21.2	32.8	54.0	46.3
1952	21.2	32.8	54.0	46.2
1953	21.4	33.1	54.5	45.9
1954	21.7	33.4	55.1	46.2
1955	22.2	34.0	56.2	46.4
1956	22.5	34.6	57.1	47.2
1957	23.2	34.6	57.8	47.0
1958	23.2	34.2	57.4	47.0
1959	23.5	34.8	58.3	47.8
1960	24.0	34.9	58.9	47.7
1961	24.1	35.2	59.3	48.2
1962	24.6	35.3	59.9	48.9
1963	23.5	35.4	58.9	46.8

Source: Editor & Publisher International Year Book.

Table 53. U.S. Newspaper Pages Printed

Annual Averages

Year	Dailies	Sundays	Year	Dailies	Sundays
1920	23	79	1950	36	112
1925	29	109	1951	36	113
1930	29	91	1952	36	116
1935	26	82	1953	37	121
1940	27	86	1954	36	122
1941	27	88	1955	40	132
1942	26	82	1956	41	135
1943	26	78	1957	40	138
1944	23	68	1958	39	135
1945	22	70	1959	42	141
1946	27	84	1960	43	142
1947	29	94	1961	43	139
1948	32	102	1962	45	145
1949	34	107	1963	46	148

Source: Newsprint Service Bureau Bulletins.

Table 54. U.S. Newspaper Advertising and Total Advertising Expenditures

Millions of Dollars

Year	Newspaper Advertising	Total Advertising	Newspaper Percent of Total
1935	762.1	1690.0	45.1
1940	815.4	2087.6	39.1
1941	844.4	2235.7	37.8
1942	797.5	2156.1	37.0
1943	899.9	2496.4	36.0
1944	888.0	2723.6	32.6
1945	921.4	2874.5	32.1
1946	1158.3	3364.2	34.4
1947	1475.0	4259.7	34.6
1948	1749.6	4863.6	36.0
1949	1905.0	5202.2	36.6
1950	2075.6	5710.0	36.3
1951	2257.7	6426.1	35.1
1952	2472.8	7156.2	34.6
1953	2644.8	7755.3	34.1
1954	2695.3	8164.1	33.0
1955	3087.8	9194.4	33.6
1956	3235.6	9904.7	32.7
1957	3283.3	10310.6	31.8
1958	3192.8	10301.8	31.0
1959	3546.0	11254.8	31.5
1960	3702.8	11931.7	31.0
1961	3623.1	11845.0	30.6
1962	3681.4	12380.8	29.7
1963 est.	3776.0	13050.5	28.9

Source: Printers' Ink.

Table 55. U.S. Advertising Expenditures (All Media) and National Income

Millions of Dollars

Year	Advertising Expenditure	National Income	Percent Advertising to Income
1935	1,690.0	57,057	2.96
1940	2,087.6	81,634	2.56
1941	2,235.7	104,710	2.14
1942	2,156.1	137,694	1.57
1943	2,496.4	170,310	1.47
1944	2,723.6	182,639	1.49
1945	2,874.5	181,248	1.59
1946	3,364.2	180,879	1.86
1947	4,259.7	198,177	2.15
1948	4,863.6	223,487	2.18
1949	5,202.2	217,690	2.39
1950	5,710.0	241,876	2.36
1951	6,426.1	279,313	2.30
1952	7,156.2	292,155	2.45
1953	7,755.3	305,573	2.54
1954	8,164.1	301,794	2.71
1955	9,194.4	330,206	2.78
1956	9,904.7	350,836	2.82
1957	10,310.6	366,943	2.81
1958	10,301.8	367,384	2.80
1959	11,254.8	400,481	2.81
1960	11,931.7	415,480	2.87
1961	11,845.0	427,829	2.77
1962	12,380.8	453,695	2.73
1963 est.	13,050.5	478,400	2.73

Source: Printers' Ink; U.S. Department of Commerce.

Table 56. U.S. Newspaper, Magazine, Radio and TV Advertising

	Newspapers Million Lines	Magazines Thousand Lines	Magazines Pages	Radio Thousand Dollars	National TV Thousand Dollars
1928	1802	36,384	.....	10,248	.....
1929	1897	40,608	.....	18,732	.....
1930	1654	35,808	.....	26,820	.....
1931	1465	28,908	.....	35,784	.....
1932	1165	21,162	.....	39,107	.....
1933	1065	18,666	.....	31,516	.....
1934	1179	24,325	.....	42,648	.....
1935	1247	25,380	.....	49,284	.....
1936	1380	28,534	.....	59,356	.....
1937	1410	32,049	.....	69,249	.....
1938	1225	25,439	.....	71,728	.....
1939	1244	25,616	.....	83,115	.....
1940	1269	26,851	.....	96,468	.....
1941	1313	27,667	.....	106,141	.....
1942	1242	25,729	.....	115,405	.....
1943	1396	33,116	.....	152,644	.....
1944	1361	42,297	.....	190,665	.....
1945	1392	49,035	.....	190,746	.....
1946	1730	54,755	.....	193,008	.....
1947	2009	50,794	.....	190,930	.....
1948	2263	47,844	.....	198,993	.....
1949	2302	43,817	.....	187,800	12,294
1950	2440	45,845	.....	183,520	40,613
1951	2478	48,076	.....	174,719	127,990
1952	2505	48,331	.....	163,454	180,795
1953	2611	50,517	.....	160,535	227,611
1954	2581	48,770	.....	137,641	320,154
1955	2843	52,350	.....	n.a.	406,899
1956	2911	55,115	.....	n.a.	488,168
1957	2829	55,941	.....	n.a.	516,201
1958	2686	52,253	103,476	n.a.	566,590
1959	2865	56,545	111,225	n.a.	627,311
1960	2889	57,449	113,406	n.a.	682,371
1961	2777	n.a.	104,052	n.a.	712,128
1962	2798	n.a.	106,295	n.a.	798,808
1963	2856	n.a.	108,082	n.a.	832,737

n.a.: Not available.

Sources: Newspapers: Media Records 52 Cities. Magazines: Printers' Ink. Radio and TV: Publishers Information Bureau.

Table 57. U.S. Advertising Indexes

1947-9 = 100; Television 1950-2 = 100

Year	News-papers	Maga-zines	Radio	Tele-vision	Business Papers	Out-door	*Com-bined
1935	44	27	21	..	21	24	35
1936	49	32	22	..	25	30	40
1937	51	39	30	..	29	34	43
1938	46	34	31	..	25	33	40
1939	46	36	34	..	28	34	41
1940	48	40	39	..	31	35	44
1941	49	43	45	..	36	41	47
1942	47	40	48	..	40	34	45
1943	53	55	57	..	58	33	52
1944	52	65	72	..	72	43	57
1945	54	73	78	..	84	56	60
1946	68	85	83	..	87	67	70
1947	86	99	93	..	95	95	89
1948	102	103	103	..	103	103	102
1949	112	99	105	18	102	102	109
1950	121	103	111	54	103	111	120
1951	132	115	111	104	120	116	135
1952	144	123	114	142	150	126	150
1953	154	134	112	190	162	138	164
1954	157	134	103	252	167	146	171
1955	180	146	100	321	183	150	193
1956	189	159	104	379	203	156	207
1957	192	163	113	399	233	161	216
1958	186	154	113	425	221	150	216
1959	207	173	120	468	233	151	236
1960	216	188	127	498	250	159	250
1961	211	185	125	497	237	141	248
1962	215	195	135	595	245	133	259
1963 est.	220	207	143	646	254	133	273

*Including Farm Publications, Direct Mail and Miscellaneous.
Source: Printers' Ink; dollar expenditures.

"E"—OTHER PAPER AND PAPERBOARD

All figures after 1948 include Newfoundland

Table 58. Production of Paperboard — Tonnage and Value, 1944-1963

	Container Board			Boxboard			
Tons	Liners	Container Chipboard	Corrugating Board	For Folding Cartons	For Set-up Boxes	Other	Total
1944	139,912	6,669	80,493	114,005	52,893	144,082	538,054
1945	137,059	7,096	78,756	125,691	45,605	146,549	540,756
1946	167,786	6,480	90,347	138,370	46,556	166,500	616,039
1947	175,221	6,047	102,655	147,700	46,184	177,854	655,661
1948	184,524	6,858	128,697	154,745	49,225	183,371	707,420
1949	184,694	7,708	129,121	143,215	45,525	174,582	684,845
1950	214,234	6,533	144,892	157,690	47,625	199,761	770,735
1951	223,226	5,813	152,801	172,220	49,376	217,025	820,461
1952	219,113	2,344	132,068	155,564	43,281	190,898	743,268
1953	236,917	4,130	145,068	169,428	47,731	201,174	804,448
1954	243,764	3,465	131,678	174,945	45,552	199,115	798,519
1955	258,914	8,901	148,929	185,877	47,901	210,849	861,371
1956	330,290	8,968	162,688	215,758	47,900	212,345	977,949
1957	309,278	8,403	154,949	214,678	46,133	192,107	925,548
1958	318,286	7,510	173,143	236,559	61,319	182,732	979,549
1959	354,874	8,955	175,935	241,290	72,431	179,845	1,033,330
1960	375,563	9,665	198,221	246,437	65,065	164,926	1,059,877
1961	392,959	(a)	202,350	229,663	72,160	143,984	1,057,393
1962	440,845	(a)	224,417	263,922	79,371	159,734	1,168,289
1963	482,821e	(a)	245,789e	273,212e	82,166e	165,353e	1,249,341e
Value							
1944	$ 9,169,795	$ 284,431	$ 5,106,671	$ 9,357,929	$3,189,647	$ 7,389,233	$34,497,706
1945	9,102,314	332,637	4,997,024	10,296,273	2,708,330	7,673,664	35,110,242
1946	12,465,659	287,541	6,285,008	12,338,532	2,898,488	9,357,733	43,632,961
1947	15,971,032	317,514	8,959,472	15,850,814	3,654,451	12,084,914	56,838,197
1948	18,720,922	500,626	12,378,382	18,419,579	4,401,271	14,361,233	68,782,013
1949	19,535,008	636,746	12,979,462	17,361,974	4,066,408	13,691,804	68,271,402
1950	23,159,467	521,563	15,273,658	20,085,066	4,502,702	16,840,063	80,382,519
1951	26,965,789	623,634	17,926,975	26,380,718	5,546,965	19,865,271	97,309,352
1952	26,808,593	256,336	15,224,621	24,754,164	4,954,302	19,047,337	91,045,353
1953	29,678,077	377,602	16,909,644	26,730,967	5,534,974	19,330,051	98,561,315
1954	31,811,172	306,358	15,984,824	29,031,203	5,450,701	19,489,843	102,074,101
1955	33,877,272	935,514	18,725,717	30,910,250	5,732,654	21,530,335	111,711,742
1956	44,611,116	1,023,910	20,855,656	37,774,510	6,040,836	20,827,607	131,133,635
1957	42,713,446	971,560	20,414,454	38,726,290	5,919,456	19,248,726	127,993,932
1958	44,211,289	899,046	22,394,858	42,886,624	7,660,571	18,256,825	136,309,213
1959	49,286,428	1,066,851	22,869,372	45,275,135	9,398,910	17,695,131	145,591,827
1960	51,497,522	1,157,076	24,818,851	46,309,600	8,217,262	17,002,656	149,002,967
1961	55,592,928	(a)	26,156,474	45,858,501	9,374,342	15,320,272	152,302,517
1962	60,795,066	(a)	28,327,937	48,328,370	9,831,475	16,521,335	163,804,641
1963	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

NOTE: See notes A and B of Table 60.
(a): Included with Corrugating Board.
e: Canadian Pulp and Paper Association estimate.
n.a.: Not available.
Source: Dominion Bureau of Statistics.

Table 59. Production — Other Papers and Boards — Tonnage and Value, 1944-1963

Tons	Wrapping	Book and Writing (a)	Tissue and Sanitary	Building Papers	Building Boards (b)	Wet Machine Boards (c)	Special Industrial Papers
1944	156,721	155,498	46,532	50,879	50,294	—	6,615
1945	162,175	162,198	50,418	58,199	54,261	—	7,536
1946	175,369	189,318	56,717	71,081	67,402	—	9,034
1947	188,742	210,762	67,506	79,858	88,612	—	9,677
1948	207,128	231,608	69,686	88,454	109,912	—	9,102
1949	195,585	199,317	68,340	83,471	105,061	7,117	9,027
1950	222,840	214,097	76,742	92,414	97,223	8,936	10,060
1951	257,332	253,081	89,583	91,527	131,295	8,737	12,140
1952	222,529	224,683	79,974	81,666	122,986	8,328	11,336
1953	238,111	246,513	86,523	90,906	136,748	7,759	10,047
1954	250,408	269,353	94,643	85,390	134,365	7,312	8,722
1955	263,915	301,352	106,752	96,494	157,718	8,352	7,940
1956	288,146	341,580	119,197	92,399	186,813	8,325	7,266
1957	277,208	335,037	122,538	81,949	180,236	8,942	6,780
1958	292,727	344,622	128,465	90,125	202,375	6,726	5,774
1959	330,189	381,779	139,532	84,933	215,080	7,282	6,622
1960	321,166	403,668	148,635	76,899	210,328	7,349	6,030
1961	326,974	419,612	156,919	74,146	221,216e	8,876	6,598
1962	333,035	434,666	168,906	88,817	209,612e	9,658	7,743
1963	335,210e	475,244e	183,169e	93,213e	218,132e	10,155e	7,113e
Value							
1944	$16,699,663	$23,700,310	$ 6,391,770	$3,017,412	$ 4,593,961	—	$ 989,854
1945	17,558,552	24,468,409	7,065,732	3,459,384	4,981,280	—	1,170,279
1946	20,797,070	29,995,156	9,015,540	4,684,693	6,564,864	—	1,456,496
1947	26,009,996	39,727,187	12,179,656	5,703,911	9,276,977	—	1,824,684
1948	31,036,805	45,178,968	13,927,917	7,368,976	12,070,987	—	1,881,458
1949	30,033,478	40,598,820	13,950,007	6,320,791	11,338,155	$1,022,518	1,948,324
1950	37,776,291	47,356,410	15,885,792	7,228,146	10,790,198	1,358,994	2,407,269
1951	49,664,005	63,790,259	21,574,730	7,889,667	14,528,293	1,632,305	3,279,845
1952	45,356,720	57,463,621	18,620,728	6,871,543	13,522,958	1 498,311	3,209,914
1953	49,028,911	61,451,545	19,198,013	6,914,762	14,947,362	1,469,600	2,878,946
1954	51,341,374	68,613,807	21,998,699	6,440,439	13,665,290	1,433,300	2,536,289
1955	53,998,859	74,904,349	23,825,157	7,716,375	17,016,550	1,637,459	2,290,387
1956	61,098,013	86,524,107	30,110,095	7,094,205	15,264,142	1,569,563	2,054,546
1957	60,402,276	86,990,136	28,338,864	6,441,566	13,467,773	1,617,714	2,109,990
1958	64,650,624	91,079,353	27,779,824	6,673,725	15,042,684	1,458,856	1,739,533
1959	71,318,172	101,927,846	30,479,267	6,811,034	16,084,501	1,474,695	1,928,304
1960	70,778,384	106,573,848	33,113,245	5,668,023	15,361,303	1,436,380	1,742,173
1961	71,427,264	112,594,587	35,116,462	5,071,136	29,578,011	1,785,353	1,894,451
1962	73,104,234	121,123,118	37,467,757	6,229,252	33,534,473	1,983,922	2,221,375
1963	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

NOTE: See notes A and B of Table 60.
(a) Groundwood Printing and Speciality Papers (containing more than 50% groundwood); Book Paper (including printing papers with 50% or less groundwood); Fine Papers; and Miscellaneous Fine Papers.
(b) Reported in Pulp and Paper industry only. Wood-pulp board used in paper-converting plants to produce laminated building boards is reported by pulp and paper mills as "Other Boxboard."
(c) Prior to 1949 some producers of wet machine board were classed in another industry, and small quantities reported in the pulp and paper industry were added with "Other Boxboards" until 1943 and with "Special Industrial Papers" since 1944.
e: Canadian Pulp and Paper Association estimate. n.a.: Not available. *Source: Dominion Bureau of Statistics.*

Table 60. Production — Tonnage and Value, 1920 - 1943

	Paperboard		Wrapping		Book and Writing		Tissue		All Other	
	Tons	Value	Tons	Value	Tons	Value	Tons	Value	Tons	Value
1920	158,041	$12,904,662	77,292	$12,161,303	73,196	$21,868,807	3,607	$1,155,324	27,119	$3,067,400
1925	144,646	8,378,621	91,417	8,130,102	74,724	13,145,407	7,200	1,385,089	30,195	2,852,815
1930	233,217	12,193,829	78,320	7,880,224	69,468	12,261,659	11,245	2,035,325	36,585	2,752,954
1935	314,849	15,051,893	82,517	7,956,783	70,350	10,440,789	18,107	2,031,221	29,629	1,835,499
1936	363,778	17,531,451	95,916	8,761,356	74,940	10,866,346	18,661	2,085,489	28,029	1,895,491
1937	422,710	21,719,730	108,734	10,237,823	84,168	12,620,507	23,747	2,734,307	32,116	2,148,753
1938	356,891	19,288,172	90,879	9,069,298	73,834	11,098,901	25,922	2,961,482	32,919	2,181,010
1939	413,687	21,359,828	109,907	10,712,394	90,135	12,773,781	29,706	3,060,456	30,470	2,011,020
1940	500,094	31,078,759	139,716	14,457,299	102,696	15,518,667	34,054	3,709,952	39,053	2,624,821
1941	649,840	40,214,658	162,581	16,744,806	117,444	18,476,397	35,725	4,199,139	39,453	2,889,982
1942	609,175	38,641,867	165,991	17,221,769	121,419	19,181,665	38,322	5,036,489	39,680	3,113,613
1943	568,101	37,528,257	145,545	15,614,453	122,174	19,047,039	43,247	5,637,142	40,835	3,246,393

NOTE "A": A new classification, adopted in 1944 by the Dominion Bureau of Statistics, differs from the one given above. However, for purposes of general comparison with the years 1920-43, some of the figures given in Tables 58 and 59 may be utilized. "Paperboard," "Building Boards," and "Wet Machine Boards" would approximate the "Paperboard" group given above, while "Special Industrial Papers" and "Building Papers" would approximate the "All Other" group. The "Book and Writing", and "Wrapping" groups are virtually identical in both classifications, while "Tissue and Sanitary" is nearly comparable to the "Tissue" classification given above.

NOTE "B": Some of these figures will differ somewhat from those issued by the industry itself, as DBS classifications differ at times from those of the Canadian Pulp and Paper Association.

Source: Dominion Bureau of Statistics

Table 61. Exports of Paper (Except Newsprint) — Tonnage and Value, 1960-1963

A new Export Commodity Classification was adopted by the Dominion Bureau of Statistics at the beginning of 1961. Accurate comparison between statistics for 1961 and those of earlier years is not always possible for paper and paper products especially for individual commodities, but the group totals are generally comparable.

	Book & Writing								Coated Paper,		
	Book, Printing & Litho	Bond & Writing Uncut	Groundwood Printing n.o.p.	Book & Litho, Uncoated	Book, n.o.p.	Writing & Reproduction	Fine Paper, n.o.p.	TOTAL BOOK & WRITING	Except Machine Coated	Roofing & Building Paper	Special Industrial Paper
Tons											
1960	52,370	8,827	—	—	—	—	—	61,197	—	1,874	—
1961	—	—	33,492	4,357	8,481	16,422	924	63,676	921	2,760	40
1962	—	—	40,297	—	7,535	18,562	3,575	69,969	1,009	4,522	385
1963	—	—	48,829	—	4,855	21,568	3,224	78,476	1,286	6,959	2,236
Value											
1960	$9,695,879	$2,473,806	—	—	—	—	—	$12,169,685	—	$221,555	—
1961	—	—	$5,605,170	$1,025,710	$1,662,415	$4,312,423	$274,537	12,880,255	$383,952	296,738	$ 7,465
1962	—	—	6,619,991	—	1,604,533	4,967,639	820,447	14,012,610	436,231	461,761	93,120
1963	—	—	7,717,416	—	982,383	6,068,897	809,695	15,578,391	506,770	693,765	443,769

	Wrapping										
	Coated	Bleached Sulphite & Sulphate	Unbleached Sulphite & Sulphate	Wrapping n.o.p.	TOTAL WRAPPING	Tissue	Toilet	Tissue Except Sanitary	Sanitary Paper	Hanging, Not Printed	Waste Paper, n.o.p.
Tons											
1960	205	2,018	29,588	2,390	34,201	468	4,480	—	—	—	41,702
1961	—	2,187	40,163	313	42,663	—	—	1,137	5,717	3,170	35,852
1962	—	2,649	32,329	674	35,652	—	—	201	12,938	3,526	45,196
1963	—	7,244	22,469	1,166	30,879	—	—	198	11,466	3,813	45,911
Value											
1960	$86,863	$475,321	$4,508,604	$337,468	$5,408,256	$141,693	$970,761	—	—	—	$1,609,374
1961	—	450,521	5,891,110	122,504	6,464,135	—	—	$268,221	$1,228,436	$443,899	1,326,101
1962	—	598,302	4,944,152	169,113	5,711,567	—	—	42,146	2,961,882	544,767	1,641,081
1963	—	1,491,447	3,515,806	304,523	5,311,776	—	—	56,835	2,539,765	569,012	1,885,164

	Paperboard							Building Board			
	Container Board	Solid Bl. & Folding Boxboard, n.o.p.	Set-up Boxboard, n.o.p.	Wet Machine Board	Pulpboard for Building Board	Paperboard n.o.p.	TOTAL PAPER-BOARD	Rigid Insulating Board	Hardboard	Building Board, n.o.p.	TOTAL BUILDING BOARD
Tons											
1960	84,955	—	—	1,660	345	19,129	106,089	12,233	11,255	1,498	24,986
1961	93,634	6,022	4,410	1,441	20	686	106,213	11,389	12,332	154	23,875
1962	109,919	5,815	3,497	2,025	19	9,794	131,069	11,495	11,975	161	23,631
1963	146,771	5,299	3,930	1,364	11	12,828	170,203	14,745	17,443	979	33,167
Value											
1960	$ 9,301,972	—	—	$326,065	$40,328	$2,515,244	$12,183,609	$1,364,850	$736,198	$157,863	$2,258,911
1961	10,407,422	$1,054,063	$608,421	302,034	3,445	85,214	12,460,599	1,309,352	859,137	22,724	2,191,213
1962	12,400,908	980,394	498,621	477,199	2,335	1,032,130	15,391,587	1,379,023	1,015,196	22,994	2,417,213
1963	16,777,796	924,634	560,548	350,759	1,405	1,356,572	19,971,714	1,677,139	1,621,282	98,380	3,396,801

Total Exports of Paper (except Newsprint) 1960: 274,997 tons $34,963,844; 1961: 287,024 tons $37,951,014; 1962: 328,098 tons $43,713,965; 1963: 384,594 tons $50,953,762.

NOTE: See note B of Table 60.

c: Corrected figure.

n.o.p.: not otherwise provided for.

Source: Dominion Bureau of Statistics.

Table 62. Exports of Paper (Except Newsprint) — Tonnage and Value, 1951-1959

In the past, the basis and classification upon which exports of paper other than newsprint have been compiled have been modified from time to time. Consequently, only figures covering recent years are included in this and Tables 61, 63 and 64.

Moreover, because they are compiled on a somewhat different basis, the two tables which follow are not comparable to the production figures in Tables 58, 59 and 60.

Also, some of the exports go through a converting plant before shipment. Thus, many of the exports have a value enhanced by the conversion or packaging process, whereas the production figures show the valuation at the basic rate.

Again, the tonnage figures for certain paper products exported are not available. The dollar figures covering these exports will be found in the following two tables, under the heading "Paper Products".

	Wrapping			Book	Bond & Writing	Paper-board, n.o.p.	Roofing & Building Paper	Bldg. & Insul'g Board	Waste Paper, n.o.p.	Pulpboard for Wallboards	Tissue Paper	Toilet Paper	TOTALS
	Coated	Kraft, n.o.p.	n.o.p.										
Tons													
1951	1,266	12,366	3,019	27,438	7,347	69,259	6,662	21,738	27,081	23,068	418	3,487	203,149
1952	944	10,622	2,369	28,772	10,130	51,605	1,755	19,328	21,693	20,933	924	2,699	171,774
1953	149	10,227	788	28,401	7,077	34,104	3,811	18,752	30,890	17,812	1,279	759	154,049
1954	43	10,788	2,874	26,739	8,904	25,571	1,534	17,584	24,568	15,998	1,035	2,009	137,647
1955	119	14,218	3,940	33,195	8,441	40,442	722	47,460	42,356	14,307	1,031	4,109	210,340
1956	49	13,457	1,805	38,239	6,392	67,956	445	38,566	36,072	11,087	472	3,725	218,265
1957	346	18,121	1,799	37,346	6,033	79,617	502	39,254	43,085	7,771	216	4,161	238,251
1958	149	29,965	2,295	41,933	5,996	71,976	685	26,523	38,428	9,751	131	2,368	230,200
1959	1,346	37,473	3,865	51,277	7,617	74,012	1,014	36,977	39,941	4,891	424	3,069	261,906
Value													
1951	$485,843	$2,665,974	$577,155	$5,283,533	$2,567,668	$9,410,511	$577,052	$2,327,497	$2,154,913	$2,324,008	$150,996	$804,966	$29,330,116
1952	308,135	2,232,134	636,867	5,343,040	3,770,853	6,990,766	152,225	2,096,727	936,118	2,165,043	259,605	609,977	25,501,490
1953	56,641	1,670,077	149,558	4,872,808	1,719,073	3,426,320	247,104	1,764,374	997,737	1,827,255	294,006	159,959	17,184,912
1954	22,942	1,842,567	468,267	4,540,362	2,287,799	3,113,557	100,285	1,476,704	929,105	1,640,490	279,768	372,742	17,074,588
1955	72,095	2,479,073	655,097	5,917,168	2,350,075	4,971,027	50,655	4,279,996	1,716,952	1,477,864	285,551	763,713	25,019,266
1956	26,945	2,394,180	298,646	7,137,201	1,998,566	9,058,868	41,436	3,737,146	1,569,451	1,224,360	136,071	803,332	28,426,202
1957	133,346	3,039,781	288,351	7,227,440	1,899,531	10,780,495	41,376	3,963,261	1,700,493	845,890	46,361	935,965	30,902,290
1958	61,294	4,854,032	303,272	7,769,745	1,838,448	9,290,976	57,734	2,625,503	1,602,126	1,041,881	30,169	475,939	29,951,119
1959	358,618	6,048,507	691,323	9,392,153	2,273,195	9,168,602	82,912	3,609,842	1,666,472	541,834	95,098	632,470	34,561,026

NOTE: See note B of Table 60.

n.o.p.: not otherwise provided for.

Source: Dominion Bureau of Statistics.

Table 63. Export of Paper Products — Value, 1961-1963

	Paper Bags & Multi-wall Sacks $	Paper Con-tainers & parts n.o.p. $	Hangings or Wall Paper $	Packaged Toilet Paper Tons	Packaged Toilet Paper $	Note-books Scribblers & Pads $	Stationery Paper Office Supplies n.o.p. $	Converted Paper n.o.p. Tons	Converted Paper n.o.p. $	Paper End Products n.o.p. $	TOTAL $
1961	543,480	702,785c	1,378,034	1,551	425,810	147,238c	307,864c	752	241,671c	141,391	3,888,273
1962	498,702	1,110,040	1,645,190	2,326	643,871	160,593	368,838	408	416,035	141,253	4,984,522
1963	483,644	1,039,536	1,665,315	3,144	955,347	223,807	449,901	1,701	1,550,984	172,006	6,540,540

NOTE: See note B of Table 60. n.o.p.: not otherwise provided for. c: Corrected figures. *Source: Dominion Bureau of Statistics*

Table 64. Exports of Paper Products — Value, 1951-1960

	Bags, Boxes & Cartons	Hanging or Wall	Hanging, not Printed	Writing Paper, n.o.p.	Other Paper Products	TOTAL
1951	$1,834,501	$1,081,319	$ 11,971	$193,041	$1,158,686	$4,279,518
1952	973,982	1,005,842	48,456	195,922	668,650	2,892,852
1953	552,139	730,895	170,535	90,261	538,557	2,082,387
1954	419,497	865,731	287,085	90,557	510,596	2,173,466
1955	374,902	553,949	390,492	85,661	794,139	2,199,143
1956	484,525	943,495	748,827	66,691	970,676	3,214,214
1957	496,681	924,782	434,244	86,452	1,776,066	3,718,225
1958	616,059	1,149,737	512,127	120,838	1,108,959	3,507,720
1959	503,187	1,398,243	457,759	37,317	1,138,911	3,535,417
1960	600,172	1,773,608	556,806	84,542	1,132,624	4,147,752

Source: Dominion Bureau of Statistics.

All figures after 1948 include Newfoundland.

Table 65.
Pulp and Paper Production and the National Income

	Gross Production of Industry	Gross National Product † (a) '000,000	Net Production of Industry (b)	Net National Income † (a) '000,000
1926	$ 215,370,274	$ 5,152	$109,580,404	$ 4,129
1927	219,329,753	5,549	110,492,354	4,356
1928	233,077,236	6,046	120,039,858	4,737
1929	243,970,761	6,134	122,288,583	4,708
1930	215,674,246	5,728	107,959,927	4,399
1931	174,733,954	4,699	88,166,297	3,382
1932	135,648,729	3,827	67,121,459	2,641
1933	123,415,492	3,510	57,289,643	2,368
1934	152,647,756	3,984	77,696,593	2,783
1935	159,325,546	4,315	79,199,741	3,099
1936	183,632,995	4,653	86,406,163	3,367
1937	226,244,711	5,257	106,002,017	3,887
1938	183,897,503	5,278	89,034,186	4,001
1939	208,152,295	5,636	103,123,660	4,236
1940	298,034,843	6,743	158,230,575	5,063
1941	334,726,175	8,328	174,852,041	6,305
1942	336,697,277	10,327	164,500,420	8,098
1943	344,411,614	11,088	164,244,088	8,802
1944	369,846,086	11,850	174,492,103	9,583
1945	398,804,515	11,835	180,401,885	9,665
1946	527,814,916	11,850	258,164,578	9,551
1947	706,971,628	13,165	356,084,900	10,361
1948	825,857,664	15,120	412,770,470	12,003
1949	836,148,393	16,343	423,375,527	12,905
1950	954,137,651	18,006	511,142,983	14,161
1951	1,237,897,470	21,170	679,257,743	16,588
1952	1,157,887,657	23,995	584,101,072	18,654
1953	1,179,665,443	25,020	599,934,934	19,294
1954	1,241,665,451	24,871	641,410,070	19,032
1955	1,326,938,138	27,132	689,818,173	20,737
1956	1,465,057,726	30,585	736,346,393	23,166
1957c	1,415,820,000	31,909	689,008,000e	24,011
1958c	1,398,348,000	32,894	705,569,000	25,011
1959c	1,502,312,000	34,915	762,884,000	26,482
1960c	1,583,107,000	36,254	814,798,000	27,424
1961c	1,634,606,000	37,421	842,420,000	28,316
1962c	1,719,961,000	40,401	883,921,000	30,606

† Includes Newfoundland since 1949. In 1948, the last year before accession, Newfoundland's Gross National Product was about $175 million.

All National Income figures from 1926 have been compiled on a revised basis in December, 1951. Figures for years prior to 1926 are not comparable.

a: The "national income" is the total of all incomes earned by Canadians in the production of goods and services during the calendar year. The "gross national product" is the market value of all goods and services produced by Canadians. It is obtained by adding to the national income two items which are not "income" but which are part of the final cost of all goods and services — namely, allowances for depreciation of plant and equipment, and indirect taxes less subsidies.

b: The "net value of production" or value added by manufacture is computed by subtracting the cost of fuel and electricity as well as the cost of materials from the gross value of the products.

c: See notes 1 and 2, Table 92.

e: Canadian Pulp and Paper Association estimate.

The figures for the years prior to 1926, when the National Income figures were compiled on a different basis and for which the gross National product figures are not available, were as follows:

	Gross Production of Industry	Net Production of Industry	National Income
1921	$151,003,165	$73,765,200	$3,507
1922	158,950,956	81,258,232	3,671
1923	184,821,511	95,076,985	3,847
1924	179,259,504	89,629,253	3,865
1925	193,092,937	99,071,212	4,239

Source: Dominion Bureau of Statistics.

Table 66.
Pulp and Paper Exports and Canadian Trade

	Pulp & Paper Exports	Total Domestic exports of Canada	Pulp & paper exports to total exports — %	Trade Balance
1919	$ 97,168,278	$1,253,958,483	7.86	$348,778,322
1920	163,127,988	1,268,014,533	12.86	— 38,758,816
1921	108,644,620	800,149,296	13.58	14,665,274
1922	115,863,742	880,408,645	13.16	131,814,604
1923	140,798,453	1,002,401,467	14.05	112,955,801
1924	139,491,469	1,029,699,449	13.55	234,108,594
1925	154,555,951	1,239,554,207	12.47	361,472,800
1926	173,491,635	1,261,241,525	13.76	268,256,906
1927	176,633,728	1,210,596,998	14.59	143,924,299
1928	192,771,615	1,339,409,562	14.39	141,470,440
1929	198,287,106	1,152,416,330	17.21	— 120,650,245
1930	177,590,222	863,683,761	20.56	— 125,331,731
1931	141,170,685	587,653,440	24.02	— 28,537,926
1932	105,253,603	489,883,112	21.48	45,299,340
1933	95,750,769	529,449,529	18.09	134,269,478
1934	113,078,565	649,314,236	17.42	142,836,731
1935	121,667,321	724,977,459	16.78	187,621,328
1936	142,108,123	937,824,933	15.15	315,318,408
1937	177,979,899	997,366,918	17.84	203,225,455
1938	140,603,514	837,583,917	16.79	171,232,779
1939	155,127,766	924,926,104	16.77	184,866,179
1940	231,809,675	1,178,954,420	19.66	111,266,873
1941	262,081,761	1,621,003,175	16.17	191,662,891
1942	253,104,957	2,363,773,296	10.71	741,224,113
1943	260,838,237	2,971,475,277	8.78	1,266,275,389
1944	278,853,306	3,439,953,165	8.11	1,724,200,415
1945	309,066,903	3,218,330,353	9.60	1,681,649,146
1946	401,458,464	2,312,215,301	17.36	411,886,445
1947	550,872,950	2,774,902,355	19.85	237,846,285
1948	628,245,992	3,075,438,085	20.43	473,083,316
1949	630,544,034	2,998,356,417	21.03	261,245,593
1950	713,869,791	3,118,386,551	22.89	— 17,180,465
1951	939,239,090	3,914,460,376	23.99	— 121,472,163
1952	913,999,811	4,301,080,679	21.25	325,492,011
1953	887,751,816	4,117,405,882	21.56	— 210,229,315
1954	927,356,199	3,881,271,854	23.89	— 146,279,616
1955	991,543,046	4,281,784,253	23.16	— 361,086,299
1956	1,045,828,442	4,789,745,693	21.83	— 842,305,779
1957	1,043,559,448	4,839,094,393	21.56	— 689,030,235
1958	1,010,147,393	4,823,347,122	20.91	— 263,969,877
1959	1,073,485,013	5,060,710,152	21.21	—368,620,973
1960	1,123,823,860	5,255,574,898	21.38	— 95,903,364
1961	1,151,558,228	5,754,985,880	20.00	126,636,907
1962	1,174,145,093	6,178,523,248	19.00	89,937,185
1963	1,226,130,150	6,798,538,017	18.04	90,453,446

—: Unfavourable balance.

Domestic exports cover exports of Canadian produce. In the last 20 years, domestic exports cover approximately 98 per cent or more of total Canadian exports.

Pulp and paper export figures 1919-1930 estimated by DBS from fiscal year figures.

Source: Dominion Bureau of Statistics.

Table 67. Mill Locations

	Pulp Mills	Pulp & Paper Mills	Paper Mills	Total
Newfoundland	—	2	—	2
Nova Scotia	2	2	—	4
New Brunswick	4	3	1	8
Quebec	10	33	9	52
Ontario	4	21	13	38
Manitoba	—	3	—	3
Saskatchewan	—	1	—	1
Alberta	1	2	—	3
British Columbia	7	6	1	14
Canada	28	73	24	125

Source: Dominion Bureau of Statistics.

Table 68. Growth of Industry

	Pulp and Paper Mills (a)	Total Employees	Total Production (b)
1871	21	760	$ 1,071,651
1881	41	1,588	2,509,993
1891	58	2,817	3,633,257
1901	53	6,236	8,627,557
1911	72	9,766	23,226,479
1921	100	24,619	151,003,165
1931	103	26,669	174,733,954
1941	106	37,154	334,726,175
1945	109	39,996	398,804,515
1947	115	49,946	706,971,628
1949	123	52,050	836,148,393
1950	123	52,343	954,137,651
1951	126	57,291	1,237,897,470
1952	128	57,803	1,157,887,657
1953	127	58,194	1,179,665,443
1954	125	60,837	1,241,665,451
1955	125	62,205	1,326,938,138
1956	126	65,985	1,465,057,726
1957c	127	66,067	1,415,820,000
1958c	127	64,199	1,398,348,000
1959c	126	65,162	1,502,312,000
1960c	126	65,772	1,583,107,000
1961c	125	65,799	1,634,606,000
1962c	125	64,885	1,719,961,000

a: Number of mills operated during year.

b: Includes products other than pulp or paper.

c: See notes 1 and 2, Table 92.

Source: Dominion Bureau of Statistics.

Table 69. Production by Provinces 1962

Provinces	Pulpwood Cords*	Woodpulp Tons	Paper and Board Tons
Quebec	6,042,461	4,610,615	3,992,876
Ontario	3,791,231	3,052,391	2,607,389
British Columbia	2,488,595	2,410,767	1,201,007
Other Provinces (a)	2,292,918	2,058,734	1,287,744
Canada	14,615,205	12,132,507	9,089,016

* Rough or unpeeled wood.

a: Newfoundland, Prince Edward Island, Nova Scotia, New Brunswick, Manitoba, Saskatchewan and Alberta.

Source: Dominion Bureau of Statistics.

Table 71. Production and Exports of all Paper and Board

	Production Tons	Production Value	Exports Tons (a)	Exports Value
1920	1,214,951	$132,022,767	780,932	$ 86,744,010
1925	1,884,705	140,160,675	1,442,296	106,624,046
1930	2,926,787	173,305,874	2,372,640	138,530,243
1931	2,611,225	143,629,889	2,042,151	111,114,042
1932	2,290,767	113,873,123	1,805,130	86,323,539
1933	2,419,420	96,689,875	1,871,191	72,396,132
1934	3,069,516	120,892,225	2,454,341	87,633,721
1935	3,280,896	125,752,650	2,617,579	94,041,591
1936	3,806,710	146,354,666	3,061,174	110,861,428
1937	4,345,361	175,885,423	3,532,269	136,164,168
1938	3,249,358	151,650,065	2,545,456	112,872,776
1939	3,600,502	170,776,062	2,795,876	124,127,164
1940	4,319,414	225,836,809	3,489,946	170,879,526
1941	4,524,776	241,450,292	3,587,181	176,184,025
1942	4,231,767	230,269,512	3,241,941	156,938,084
1943	3,966,344	234,036,152	2,983,882	160,825,462
1944	4,044,376	255,545,841	3,012,975	177,290,282
1945	4,359,576	282,837,614	3,285,611	203,011,992
1946	5,347,118	396,956,390	4,045,795	287,437,805
1947	5,775,082	507,101,277	4,452,090	373,070,338
1948	6,063,646	582,346,842	4,587,501	416,681,608
1949	6,539,969	641,459,838	4,952,283	459,039,871
1950	6,812,035	710,153,826	5,118,417	505,314,242
1951	7,225,271	824,029,649	5,359,303	574,106,206
1952	7,201,800	838,105,108	5,526,127	622,136,313
1953	7,376,526	887,858,473	5,541,197	639,079,083
1954	7,649,607	925,590,643	5,675,072	655,938,194
1955	8,000,213	981,439,247	5,989,991	694,238,977
1956	8,466,785	1,070,492,355	6,203,451	741,291,945
1957	8,299,889	1,056,371,332	6,153,847	751,153,346
1958	8,081,293	1,044,640,200	5,929,259	724,698,744
1959	8,549,859	1,106,071,106	6,201,564	762,232,215
1960	8,922,786	1,167,040,412	6,489,679	798,702,288
1961	8,990,130	1,219,372,104	6,568,437	804,897,515
1962	9,089,016	1,260,845,589	6,519,848	804,242,670
1963	9,202,060e	n.a.	6,657,083	820,837,722

a: Weight of items of export classification for which tonnage figures are available (see note accompanying Table 62). The value figures, however, cover all exports of paper and paper products.

e: Canadian Pulp and Paper Association estimate.

n.a.: Not available.

Source: Dominion Bureau of Statistics.

Table 70. Capital Expenditures

For the years 1948 to 1962, annual surveys of the Department of Trade & Commerce, covering some 95 per cent of the industry, show the following capital expenditures:

Year	Millions of $
1948	79.3
1949	71.8
1950	68.6
1951	108.9
1952	115.6
1953	91.9
1954	69.0
1955	118.3
1956	239.6
1957	234.4
1958	106.8
1959	126.6
1960	131.2
1961	123.9
1962	147.8
1963p	189.0
	2,022.7

The foregoing figures do not include capital expenditures made on the woodlands nor, of course, expenditures for maintenance and renewals.

p: preliminary.

Source: Dominion Bureau of Statistics.

Table 72. Principal Canadian Exports

	1961	1962	1963
	Thousands of Dollars		
Wheat	663,191	601,518	786,804
Newsprint	761,313	753,060	759,990
Lumber	354,866	396,747	452,484
Wood-pulp	346,661	369,902	405,292
Aluminum, including alloys	241,825	284,554	302,730
Iron ores and concentrates	142,566	220,522	270,949
Petroleum, crude	152,334	232,497	233,867
Nickel and alloys	191,647	191,556	175,368
Copper and alloys	178,320	163,931	166,517
Nickel in ores, concentrates and scrap	151,379	132,308	149,236
Asbestos, unmanufactured	131,341	135,638	139,447
Radioactive ores and concentrates	192,722	166,009	137,531
Aircraft, including engines and parts	100,914	146,917	108,292
Agricultural machinery and equipment	76,239	83,154	106,237
Whisky	80,397	84,885	90,125
Synthetic and reclaimed rubber and plastic materials	103,832	84,571	88,406
Fish, fresh, chilled or frozen	72,528	78,288	81,400
Natural gas	41,689	72,423	75,630
Fertilizers and fertilizer materials	53,554	60,250	74,756
Measuring, controlling, laboratory, medical and optical equipment	14,976	32,235	63,849
Wheat flour	61,076	57,043	62,616
Plate, sheet and strip of steel	35,795	48,800	61,350
Primary iron and steel	52,232	45,878	59,540
Copper in ores, concentrates and scrap	26,524	48,287	53,797
Veneer and plywood	34,191	44,211	53,045
Special industry machinery	32,045	43,357	52,638
Other paper, and paperboard	38,244	44,133	52,285
Communication and related equipment	35,514	51,789	52,193
Zinc, including alloys	42,244	41,541	42,276
Organic chemicals	37,959	44,957	41,797
Flaxseed	46,269	41,920	38,560
Pulpwood, including pulpwood chips	33,811	35,732	35,985

Source: Dominion Bureau of Statistics.

Table 73. Exports of Canadian Products to the United States

	1961	%	1962	%	1963	%
Live animals	$ 61,059,830	1.97	$ 64,422,470	1.79	$ 38,312,169	1.02
Food, feed, beverages and tobacco	298,121,385	9.60	305,780,302	8.47	332,872,162	8.84
Crude materials, inedible	694,914,232	22.36	884,041,416	24.50	881,410,542	23.40
Pulpwood & pulpwood chips	*24,849,697*	*.80*	*24,346,408*	*.68*	*26,717,073*	*.71*
Mutilated newsprint	*1,366,700*	*.04*	*1,555,162*	*.04*	*2,008,150*	*.05*
Waste paper, n.o.p.	*1,263,938*	*.04*	*1,595,692*	*.05*	*1,799,357*	*.05*
Fabricated materials, inedible	1,760,532,832	56.66	1,968,045,744	54.54	2,069,228,371	54.94
Wood-pulp	*268,949,199*	*8.65*	*298,166,025*	*8.26*	*309,915,338*	*8.23*
Newsprint	*629,791,521*	*20.27*	*633,037,421*	*17.54*	*636,086,302*	*16.89*
Paperboard & building board	*2,757,520*	*.09*	*4,140,681*	*.12*	*4,997,144*	*.13*
All other paper	*9,283,012*	*.20*	*9,383,647*	*.26*	*10,984,840*	*.29*
End products, inedible	283,706,832	9.13	375,905,186	10.42	425,435,529	11.29
Paper products	*415,599*	*.02*	*485,092*	*.01*	*621,548*	*.02*
Special transactions — Trade	8,841,007	.28	10,243,388	.28	19,130,234	.51
Total exports	$3,107,176,118	100.00	$3,608,438,506	100.00	$3,766,389,007	100.00
Pulp, Paper, Paper Products and Pulpwood(a)	*$ 938,677,186*	*30.21*	*$ 972,710,128*	*26.96*	*$ 993,129,752*	*26.37*

(a) Details for 1963 are given in Table 17 according to the Export Classification in effect prior to 1961.

Source: Dominion Bureau of Statistics.

Table 74. Principal Statistics by Provinces 1962

Provinces	Mills No.	Employees (a) No.	Salaries and Wages (a) $	Cost of Fuel and Electricity $	Cost of Materials Used $	Selling Value of Factory Shipments $	Value Added by Manufacture $
Newfoundland	2	3,127	18,769,232	5,331,164	27,815,331	68,426,576	36,507,210
Nova Scotia	4	1,764	8,033,848	2,300,955	14,496,762	29,930,938	13,989,183
New Brunswick	8	4,207	21,401,453	9,590,238	51,723,286	106,662,973	46,243,532
Quebec	52	25,694	140,170,958	48,864,536	267,784,183	649,892,435	331,975,381
Ontario	38	19,714	107,532,327	34,954,339	222,766,293	508,612,268	253,459,921
Manitoba, Saskatchewan and Alberta	7	1,554	8,089,965	2,965,328	16,434,688	43,889,736	24,526,392
British Columbia	14	8,825	51,247,231	18,420,722	115,142,450	312,545,810	177,219,768
	125	64,885	355,245,014	122,427,282	716,162,993	1,719,960,736	883,921,387

(a) Woods workers not included.
Source: Dominion Bureau of Statistics.

Table 75. Ten Leading Canadian Manufacturing Industries 1961**

	Selling Value of Factory Shipments '000 $	Rank(a)	Value Added by Manufacture '000 $	Rank(b)	Salaries and Wages '000 $	Rank(b)	Employment No.	Rank(b)
Pulp and paper mills	1,634,606	1	842,420	1	355,171	1	65,799	1
Smelting and refining	1,471,048*	2	530,097	2	155,948	3	29,290	4
Petroleum refining	1,184,176	3	276,272	5	81,516	9	13,235	9
Slaughtering and meat packing plants	1,080,913	4	182,740	8	112,925	6	25,075	5
Motor vehicle manufacturers	870,942	5	277,151	4	120,939	5	21,673	7
Iron and steel mills	789,271	6	411,494	3	193,112	2	34,546	3
Sawmills (except shingle mills)	534,591	7	218,228	7	144,700	4	41,134	2
Manufacturers of industrial chemicals	476,603	8	257,622	6	89,364	7	16,191	8
Pasteurizing plants	411,617	9	136,177	10	84,356	8	21,678	6
Miscellaneous food manufacturers	408,179	10	152,206	9	43,094	10	10,922	10

* Gross value of production.
** Latest available.
a: Rank in Canadian Manufacturing Industries as a whole.
b: Rank among ten leading industries listed.
c: Covers only mill workers; the inclusion of the men permanently employed in the woods places pulp and paper further ahead.
e: Canadian Pulp and Paper Association estimate.
p: preliminary.
Source: Dominion Bureau of Statistics.

Table 76. Domestic Trade 1962

	Pulp, Paper and Paperboard	Paper and Paperboard
Gross value of factory shipments(a)	$1,666,715,213	$1,228,623,827
Exports	1,169,160,571	799,258,148
For domestic market	$ 497,554,642	$ 429,365,679
Per cent of production retained for domestic use	29.9	34.9

a: Exclusive of paper products and by-products.
Source: Dominion Bureau of Statistics.

Table 77. Principal Statistics of the Paper Converting Industries

	1960	1961
Number of establishments	439	444
Number of employees	29,539	29,063
Salaries and wages paid	$113,130,561	$115,966,105
Cost of fuel and electricity	4,828,381	5,205,743
Cost of materials used	321,092,399	341,335,076
Selling value of factory shipments	542,787,569	571,128,054
Value added by manufacture	219,631,739	228,896,301

Note: These figures cover only converted paper products produced in the Folding Boxes and Set-up Boxes, Corrugated Boxes, Paper Bag, Miscellaneous Paper, and Asphalt Roofing industries. In addition, some 16 paper-mills have converting plants whose operations are included in the Pulp and Paper industry, and there are also several plants in the Printing Trades and other industries which make paper boxes and other converted paper commodities as secondary products.

c: See note 1, Table 92.
Source: Dominion Bureau of Statistics.

Table 78. Payrolls and Weekly Earnings in Important Industries 1962

Industry	Average Number of Employees	Average Weekly Payrolls	Average Weekly Earnings
Pulp & Paper	66,602	$7,043,224	$105.75
Non-ferrous metal products*	53,870	5,107,850	94.82
Chemical products**	55,307	5,451,206	98.56
Meat products	30,218	2,501,373	82.78
Shipbuilding & repairing	22,147	1,951,862	88.13
Automobiles, parts & accessories	50,125	5,267,229	101.08
Primary iron & steel	37,262	4,082,181	109.55
Rubber products	21,013	1,816,984	86.47
Aircraft & parts	28,958	2,805,036	96.87

Note: Compiled from monthly returns received from establishments employing 15 persons or more. Pulp and paper payrolls do not include woods workers.

* Includes the manufacture of non-ferrous metal products, as well as the smelting and refining of non-ferrous metals.

** Includes all classes of chemical manufactures.

Source: Dominion Bureau of Statistics.

Table 79. Pulp and Paper, and Metal Mining 1962

Value of factory shipments of pulp and paper mills	$1,719,960,736
Gold production	156,313,794
Production of other metallics	1,340,120,156

Source: Dominion Bureau of Statistics.

Table 80. Employees and Wages

	Total Employees	Employees On Salary	Total Salaries Paid	Average Salary	Employees on Wages	Total Wages Paid	Average Wage	Wage Index (a)	Consumer Price Index (b)	Total Salaries & Wages
1920	31,298	2,669	$ 6,536,579	$2,449	28,629	$ 38,717,314	$1,352	47.4	90.5	$ 45,253,893
1925	28,031	2,971	6,816,191	2,294	25,060	31,744,714	1,267	44.4	74.6	38,560,905
1930	33,207	3,532	9,538,588	2,701	29,675	36,236,388	1,221	42.8	75.3	45,774,976
1931	26,669	3,170	7,858,839	2,479	23,499	26,933,174	1,146	40.2	67.9	34,792,013
1932	24,561	3,112	7,240,125	2,327	21,449	21,108,003	984	34.5	61.7	28,348,128
1933	24,037	2,920	6,464,510	2,214	21,117	20,193,032	956	33.5	58.8	26,657,542
1934	26,993	3,174	7,148,763	2,252	23,819	26,158,280	1,098	38.5	59.6	33,307,043
1935	27,836	3,290	7,827,961	2,379	24,546	28,065,352	1,143	40.1	59.9	35,893,313
1936	29,478	3,372	7,927,690	2,351	26,106	31,512,384	1,207	42.3	61.1	39,440,074
1937	33,205	4,044	9,561,449	2,364	29,161	39,196,346	1,344	47.1	63.0	48,757,795
1938	30,943	4,263	10,823,536	2,539	26,680	31,795,775	1,192	41.8	63.7	42,619,311
1939	31,016	4,382	10,875,243	2,482	26,634	33,862,136	1,271	44.6	63.2	44,737,379
1940	34,719	4,630	11,693,329	2,526	30,089	44,380,483	1,475	51.7	65.7	56,073,812
1941	37,154	4,970	12,924,964	2,601	32,184	50,752,854	1,577	55.3	69.6	63,677,818
1942	38,002	5,071	13,618,478	2,686	32,931	56,037,915	1,702	59.7	72.9	69,656,393
1943	37,020	5,384	14,663,655	2,724	31,636	56,535,767	1,787	62.7	74.2	71,199,422
1944	37,896	5,488	15,617,507	2,846	32,408	60,215,901	1,858	65.1	74.6	75,833,408
1945	39,996	5,981	16,766,154	2,803	34,015	63,696,490	1,873	65.7	75.0	80,462,644
1946	44,967	6,910	20,959,990	3,033	38,057	80,404,646	2,113	74.1	77.5	101,364,636
1947	49,946	7,706	26,286,577	3,411	42,240	103,191,418	2,443	85.7	84.8	129,477,995
1948	51,924	8,066	30,459,864	3,776	43,858	121,202,897	2,764	96.9	97.0	151,662,761
1949	52,050	8,243	32,784,295	3,977	43,807	124,919,573	2,852	100.0	100.0	157,703,868
1950	52,343	8,578	35,729,300	4,165	43,765	133,517,231	3,051	107.0	102.9	169,246,531
1951	57,291	9,413	44,126,918	4,688	47,878	169,042,988	3,531	123.8	113.7	213,169,906
1952	57,803	9,493	48,119,514	5,069	48,310	177,233,813	3,669	128.6	116.5	225,353,327
1953	58,194	9,394	49,932,103	5,315	48,800	185,809,557	3,808	133.5	115.5	235,741,660
1954	60,837	9,689	53,304,859	5,502	51,148	199,293,524	3,896	136.6	116.2	252,598,383
1955	62,205	9,933	55,980,812	5,636	52,272	209,317,307	4,004	140.4	116.4	265,298,119
1956	65,985	10,867	64,075,889	5,896	55,118	233,496,055	4,236	148.5	118.1	297,571,944
1957c	66,067	11,503	70,408,000	6,121	54,564	237,582,000	4,354	152.7	121.9	307,990,000
1958c	64,199	11,602	74,301,000	6,404	52,597	233,571,000	4,441	155.7	125.1	307,872,000
1959c	65,162	11,711	77,560,000	6,623	53,451	245,376,000	4,591	161.0	126.5	322,936,000
1960c	65,772	12,459	84,894,000	6,814	53,313	260,199,000	4,881	171.1	128.0	345,093,000
1961c	65,799	12,371	83,936,000	6,785	53,428	271,235,000	5,077	178.0	129.2	355,171,000
1962c	64,885	11,140	73,387,000	6,588	53,745	281,858,000	5,244	183.9	130.7	355,245,000

NOTE: Woods labour not included.
a: Canadian Pulp and Paper Association figures based on: 100 equals 1949 average wage. Consumer price index: 100 equals 1949.
b: Constructed to replace Cost of Living Index.
c: See notes 1 and 2, Table 92.

Source: Dominion Bureau of Statistics.

Table 81. Capital, Employees, and Wages

	Capital Employed(b)	Number of Employees(a)	Capital Employed per employee	Total Salaries & Wages(a)
1920	$ 347,553,333	31,298	$11,105	$45,253,893
1925	460,397,772	28,031	16,425	38,560,905
1930	703,937,104	33,207	21,198	45,774,976
1931	630,176,540	26,669	24,630	34,792,013
1932	597,550,013	24,561	24,329	28,348,128
1933	559,265,544	24,037	23,267	26,657,542
1934	554,973,891	26,993	20,560	33,307,043
1935	545,572,938	27,836	19,600	35,893,313
1936	536,073,034	29,478	18,186	39,440,074
1937	570,352,287	33,205	17,177	48,757,795
1938	594,908,222	30,943	19,226	42,619,311
1939	597,908,918	31,016	19,277	44,737,379
1940	642,979,942	34,719	18,520	56,073,812
1941	678,937,841	37,154	18,274	63,677,818
1942	655,598,196	38,002	17,251	69,656,393
1943	667,458,143	37,020	18,029	71,199,422
1944	1,064,240,000	37,896	28,083	75,833,408
1945	1,169,743,000	39,996	29,246	80,462,694
1946	1,241,930,000	44,967	27,619	101,364,636
1947	1,358,133,000	49,946	27,192	129,477,995
1948	1,412,186,000	51,924	27,197	151,662,761
1949	1,449,289,000	52,050	27,844	157,703,868
1950	1,576,022,000	52,343	30,110	169,246,531
1951	1,836,460,000	57,291	32,055	213,169,906
1952	1,872,114,000	57,803	32,388	225,353,327
1953	2,110,262,000	58,194	36,263	235,741,660
1954	2,590,923,000	60,837	42,588	252,598,383
1955	2,684,000,000	62,205	43,147	265,298,119
1956	3,021,600,000	65,985	45,792	297,571,944
1957c	3,233,800,000	66,067	48,947	307,990,000
1958c	3,362,700,000	64,199	52,379	307,872,000
1959c	3,548,400,000	65,162	54,455	322,936,000
1960c	3,733,400,000	65,772	56,763	345,093,000
1961c	3,960,000,000	65,799	60,182	355,171,000
1962c	4,107,800,000e	64,885	63,389e	355,245,000

a: Woods labour is not included.
b: Figures on capital employed were compiled by the Dominion Bureau of Statistics from 1920 to 1943. Those for 1944 on are taken from "Taxation Statistics", published by the Department of National Revenue. The two series are not exactly comparable. The former excludes the value of inactive mills, timber limits, power developments, and investments, in wholly or partly owned subsidiaries and other enterprises. The latter includes such assets but does not cover pulp and paper mills operated by companies classed in other industries according to their principal or end product such as lumber, paper boxes, and roofing paper. For the years 1944-47 the figures cover only "profit" companies; since 1948 they cover both "profit" and "loss" companies. In 1961, the 74 pulp and paper companies covered had total assets of $3,960,000,000 and current liabilities of $519,000,000.
c: See notes 1 and 2, Table 92.
e: Canadian Pulp and Paper Association estimate.

Sources: Dominion Bureau of Statistics and Department of National Revenue.

Table 82. Estimated Wages Paid and Numbers Employed in 1962

Wages	
Mill Workers	$355,245,000
Woods Workers*	224,914,000
	$580,159,000
Workers	
Seasonal woods workers on manufacturers' limits east of the Rockies	102,000
Permanent woods workers on manufacturers' limits east of the Rockies	3,900
Woods workers in B.C., mostly permanent	8,300
Woods workers cutting wood for sale to manufacturers	97,000
	211,200
Mill Workers, permanent	64,885
	276,085

* Includes an estimated $82,000,000 to the 97,000 woods workers cutting pulpwood for sale to the mills. Includes also those working for conttracors cutting pulpwood on pulp and paper company limits. The terms of pulpwood cutting contracts are of an infinite variety ranging from those in which the contractor and his men are company employees to those in which the contractor is a free agent. Some companies cut all the wood required from their own limits.

Source: Woodlands Section, Canadian Pulp and Paper Association estimate.

Table 83. Principal Expenditures 1962

Transportation(e)	$260,000,000
Chemical & mill supplies*	212,848,538
Fuel*	59,236,253
Electricity*	62,032,723
Fibre and fibre stock*	17,924,602
Purchased pulpwood**	41,000,000
Purchased wood-waste (for pulping)*	43,797,286
Foods(e)	17,794,000
Taxes(e)	232,000,000
Paid for work done on materials supplied*	2,899,729
Wages, including woods workers**	580,159,000
	$1,529,692,131

e: Canadian Pulp and Paper Association estimate.

* Dominion Bureau of Statistics figures.

** Expenditures for purchased pulpwood in 1962 totalled $123,000,000 from which has been deducted $82,000,000 covering the estimated wages paid in harvesting this wood. The latter figure is included in the $580,159,000 shown as wages. See also Table 82.

† There is some duplication where the value of purchased pulpwood, mill supplies, fuel, chemicals, and so forth, include substantial transportation costs to the mill.

Table 84. Car Loadings

	1962 Carloads	%	1963 Carloads	%
Forest Products				
Pulp and paper	246,017	6.95	245,855	6.77
Pulpwood	122,668	3.46	119,020	3.28
	368,685	10.41	364,875	10.05
Other forest products	289,698	8.18	295,524	8.13
	658,383	18.59	660,399	18.18
Agricultural Products				
Grain	310,093	8.76	376,917	10.38
Grain products	93,526	2.64	94,847	2.61
Other agricultural products	66,184	1.87	64,991	1.79
	469,803	13.27	536,755	14.78
Animal Products	62,602	1.77	54,256	1.49
Mineral Products				
Coal	163,668	4.62	149,462	4.11
Coke	18,249	.51	20,168	.56
Ores and concentrates	424,765	11.99	458,929	12.63
Iron and steel: pig, bloom and ingot	9,098	.26	10,067	.28
Non-ferrous metals: pig, matte, ingot & manufactured products	37,603	1.06	39,871	1.10
Agricultural implements, tractors, automobiles, trucks and parts	74,607	2.11	68,456	1.88
Machinery, boilers, castings and other iron and steel products	67,999	1.92	70,601	1.94
Crude petroleum, gasoline, fuel oil and other petroleum products	279,644	7.90	274,787	7.57
Sand, gravel, stone, cement, plaster, lime, brick, tile, sewer and drain pipes, and other mineral products	354,878	10.02	358,926	9.88
	1,430,511	40.39	1,451,267	39.95
Other Products				
Sugar, canned goods, beverages	66,008	1.86	68,621	1.89
Fertilizers	47,407	1.34	59,439	1.64
Miscellaneous	453,249	12.80	495,168	13.63
	566,664	16.00	623,228	17.16
Merchandise, L.C.L.	353,580	9.98	306,654	8.44
Grand Total	3,541,543	100.00	3,632,559	100.00

Note: Car loadings of pulp and paper and pulpwood in 1963 were equivalent to 673 cars and 326 cars respectively, every day in the year. A proportion of the pulpwood car loading included pulpwood for export. Deducting an estimate for pulpwood shipped abroad, the pulp and paper industry's car loadings of pulpwood and finished products were equivalent to over seven trains of 100 cars daily. Annual loadings of pulpwood for the mills and of finished products would thus fill a train 2,285 miles in length. In addition, the pulp and paper industry creates a vast rail traffic of coal, chemicals, and other supplies required for the operations at the mills and in the woods.

Source: Compiled by C.P.P.A. from monthly D.B.S. Memoranda.

Table 85. Purchases of Mill Supplies 1962

Chemicals, minerals, size, glue, dyes, etc	$ 93,356,028
Machine clothing (woollen felts)	16,136,736
Wire mesh (fourdrinier and cylinder)	19,638,310
Mill wrapping and packing material	20,067,834
Miscellaneous supplies	63,649,630
	$212,848,538

Source: Dominion Bureau of Statistics.

Table 86. Fuel Purchased 1962

Quebec	$17,525,084
Ontario	18,513,950
British Columbia	10,600,213
Newfoundland, New Brunswick, Nova Scotia, Manitoba, Saskatchewan and Alberta	12,597,006
	$59,236,253

Source: Dominion Bureau of Statistics.

Table 87. Electricity Purchased 1962

Quebec	$30,539,416
Ontario	16,197,474
British Columbia	7,819,298
Newfoundland, New Brunswick, Nova Scotia, Manitoba, Saskatchewan and Alberta	7,476,535
	$62,032,723

Note: In addition to purchased electricity the pulp and paper mills generated 5,264,509,259 kilowatt-hours of electricity for their own use in 1961. Similar data for 1962 are not yet available.

Source: Dominion Bureau of Statistics.

Table 88. Power Utilization

in 000's of kwh including off-peak power

	1959	1960	1961p
Supply of electric energy:			
Generated by Utilities	83,048,885	89,156,401	89,388,635
Generated by Industries:			
Pulp and Paper industry	5,188,255e	5,440,736e	5,628,145e
Other industries	16,433,418e	19,860,057e	18,696,538e
Imported from United States	512,002	356,878	1,394,014
Total Supply	105,182,560	114,814,072	115,107,332
Less:			
Exports to United States	4,593,044	5,511,852	4,157,531
Line losses, free service and unaccounted for	9,634,157	10,304,075	8,697,643
Consumed in Canada	90,955,359	98,998,145	102,252,158
Consumption:			
Pulp and Paper industry	15,902,306	19,735,198	19,754,358
Other manufacturing industries	39,024,107	41,936,971	40,469,839
Mining companies	4,809,849	4,928,387	4,825,641
Commercial customers	11,431,545	11,728,287	14,495,835
Residential and farm	19,007,111	20,397,014	21,979,672
Street lighting	584,704	656,759	726,813
Residual error of estimate	+195,737	—384,471	n.a.

e: Canadian Pulp and Paper Association estimate.

p: Preliminary.

Note: The power consumption of the pulp and paper mills accounts for about 35 per cent of all the power generated for the manufacturing industries. These mills also produce about 23 per cent of the power generated by industry (including mining) and account for close to 20 per cent of the total consumption of electricity in Canada.

Source: Dominion Bureau of Statistics.

Table 89.
Operations and Mills 1962

	Number of Producing Companies	Mills
Groundwood, bleached	5	6
Groundwood, unbleached	35	64
Mechanical screenings	8	11
Soda pulp	1	1
Dissolving and Special Alpha (Sulphite and Sulphate)	3	6
Dissolving and Special Alpha screenings	1	1
Bleached sulphite (paper pulp)	11	17
Unbleached sulphite (strong)	9	11
Unbleached sulphite (news grade)	17	31
Sulphite screenings	11	16
Sulphate pulp, bleached (paper pulp)	16	17
Sulphate pulp, semi-bleached	10	12
Sulphate pulp, unbleached	12	15
Sulphate screenings	5	5
Semi-chemical pulp	6	4
Defibrated and exploded pulps	6	11
All other wood pulp	3	3
Newsprint	19	39
Groundwood printing and specialty papers	8	9
Book paper	7	14
Fine papers	8	14
Miscellaneous fine papers	6	11
Tissue paper other than sanitary	8	10
Sanitary paper	8	13
Special industrial papers	2	5
Wrapping papers	12	20
Building papers	9	12
Paperboard	22	42
Building boards	8	14
Wet machine boards	2	2
Paper products	9	16

Source: Dominion Bureau of Statistics.

Table 90.
Imports of Wood-Pulp and Paper and Paper Goods

	Wood-pulp Tons	Wood-pulp Value	Paper and Paper Goods (a)
1915	a	$ 423,331	$ 2,402,507
1920	21,142	1,940,461	14,059,046
1925	23,423	1,274,542	9,142,177
1930	18,526	826,862	12,907,658
1931	14,418	592,904	9,585,986
1932	13,420	462,649	6,790,363
1933	5,708	177,289	5,345,603
1934	8,205	257,782	5,503,081
1935	16.378	534,358	5,828,073
1936	19,201	617,599	6,706,408
1937	21,054	695,819	7,981,545
1938	16,979	561,474	7,520,328
1939	21,544	763,141	8,653,987
1940	19,996	814,387	8,858,180
1941	20,653	1,069,953	9,341,390
1942	21,450	1,298,521	10,675,315
1943	21,662	1,452,133	10,701,736
1944	13,747	1,100,412	12,156,601
1945	14,510	1,166,078	13,376,067
1946	14,471	1,290,956	18,834,089
1947	28,326	3,068,086	23,027,200
1948	33,004	3,799,597	17,212,565
1949	35,432	3,963,086	20,207,068
1950	36,583	3,692,274	23,433,530
1951	36,416	4,546,204	34,831,145
1952	54,589	5,499,093	29,920,960
1953	43,384	5,099,802	39,208,074
1954	51,691	5,849,899	43,558,314
1955	59,636	6,996,204	52,690,400
1956	63,904	8,117,220	62,217,354
1957	64,884	8,345,109	62,248,666
1958	53,769	7,345,662	65,735,027
1959	65,308	8 967.213	68,273,462
1960	63,904	8,657,407	68,910,036
1961	61,748	8,404,315	75,717,189
1962	63,328	8,961,603	80,379,275
1963	74,208	10,264,227	76,644,724

a: Quantity not available.

Source: Dominion Bureau of Statistics.

Table 91.
Growth Rates of the Pulp and Paper Industry, the Total Economy and Selected Groups of Industries

	Gross Domestic Product	Total Goods	Total Manufacturing	Pulp and Paper	Foods and Beverages	Textiles	Iron and Steel Products	Transportation Equipment	Chemicals & Allied Products	Electrical Apparatus & Supplies	Non-ferrous Metal Products	Construction	Total Services
1949 weights	100.000	53.080	27.340	2.108	3.814	1.623	4.026	2.651	1.359	1.418	1.601	6.379	46.920
1935	49.7	49.2	39.0	43.6	44.5	49.7	29.2	34.2	31.4	22.9	40.1	33.5	50.2
1936	52.4	51.9	43.0	47.4	49.8	55.5	33.8	35.5	33.7	25.0	46.7	37.5	52.9
1937	56.7	58.1	49.2	54.0	53.1	59.8	42.9	43.4	39.3	32.5	54.4	44.7	55.5
1938	56.5	58.0	45.3	41.2	53.1	48.1	36.6	38.1	37.9	28.0	55.8	42.2	55.2
1939	60.2	63.3	48.7	47.6	56.3	59.5	39.1	37.7	40.7	28.4	58.4	43.4	57.3
1940	69.2	72.5	60.4	58.1	62.4	81.1	58.9	61.1	49.8	41.9	70.5	49.1	66.2
1941	80.6	83.7	78.7	63.5	72.3	91.7	86.4	106.1	77.2	61.8	98.9	63.6	77.9
1942	95.0	102.1	96.1	62.1	77.6	102.0	114.7	157.1	126.5	74.9	130.4	67.9	88.5
1943	99.0	99.0	104.0	59.5	80.8	93.8	131.6	198.4	135.1	85.0	145.6	65.6	99.2
1944	103.0	101.4	106.1	63.1	89.5	87.9	118.4	235.7	142.8	85.5	130.9	53.5	104.7
1945	97.0	89.5	92.9	67.7	91.7	87.5	96.3	157.0	107.1	70.7	98.8	54.9	104.3
1946	89.8	88.2	85.2	80.5	98.0	88.7	80.8	80.6	87.0	67.7	81.8	68.4	91.6
1947	93.8	93.4	93.2	89.1	97.2	94.0	93.6	95.3	90.8	89.6	89.6	79.7	94.2
1948	97.1	98.3	97.3	95.1	98.5	97.3	101.5	97.2	95.7	91.5	99.2	89.2	95.8
1949	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1950	106.4	107.4	106.2	108.4	103.8	112.5	102.5	108.3	107.7	112.5	104.0	106.7	105.2
1951	114.6	117.7	115.0	117.5	106.8	113.1	117.0	131.3	120.0	120.7	114.1	110.6	111.1
1952	122.7	127.0	118.5	113.5	113.5	102.9	118.9	149.1	122.3	124.5	112.2	123.2	117.8
1953	126.7	130.3	126.4	117.5	117.4	107.9	115.3	165.2	139.9	150.9	120.1	130.1	122.7
1954	123.9	123.5	122.9	124.0	120.6	94.3	106.2	137.3	152.1	151.7	117.0	129.8	124.3
1955	136.3	139.2	134.7	131.1	126.8	114.0	123.8	145.1	165.5	176.2	127.5	139.8	132.9
1956	147.7	152.5	145.1	137.4	133.1	117.3	145.3	157.9	174.8	191.3	133.0	165.7	142.3
1957	147.0	148.3	142.9	133.6	135.6	117.6	139.6	151.2	183.4	183.6	127.6	174.7	145.6
1958	148.9	149.1	140.7	131.5	141.9	109.9	128.3	132.5	198.0	176.2	126.7	178.4	148.7
1959	156.5	155.9	149.8	141.8	147.6	124.4	147.2	131.5	208.4	184.8	134.7	170.7	157.1
1960	158.5	156.7	149.3	148.2	150.2	122.5	137.3	130.0	219.7	180.2	148.3	163.0	160.5
1961	161.4	157.9	153.0	153.1	154.2	134.6	139.4	129.8	222.1	182.6	147.6	168.4	165.3
1962	171.4	170.6	164.9	158.6	158.9	146.6	152.1	156.7	233.2	212.9	148.9	171.0	172.4
1963	180.2	n.a.	173.9	163.8	162.1	159.5	161.8	181.4	249.1	223.5	148.8	173.6	n.a.

n.a.: not available.

Source: Dominion Bureau of Statistics. Compiled from "Indexes of Real Domestic Product by Industry of Origin, 1935-61" and "Revised Index of Industrial Production, 1935-57" and supplements prepared in National Accounts and Balance of Payments Division, Industrial Output Section.

Table 92. Gross Value of Canadian Production

	1960 '000 $	1961 '000 $
PRIMARY PRODUCTION:		
Agriculture	3,995,453	3,723,018
Wheat	*812,838*	*486,324*
All grains (including wheat)	*1,391,370*	*964,023*
Forestry	3,073,706	3,175,279
Operations in the woods	*806,488*	*846,035*
Fisheries	198,005	222,879
Trapping	12,360	11,704
Mining	3,513,948	3,566,714
Mineral production	*2,492,510*	*2,582,300*
Electric power	817,134	865,070
Less Duplication (forest products on farms)	—48,879	—49,359
Total, Primary Production	11,561,727	11,515,305
SECONDARY PRODUCTION:		
Manufactures	23,279,804	24,243,295
Construction	6,886,255	6,974,379
Less Duplication in Manufactures	—4,073,813	—4,125,521
Total, Secondary Production (See Notes below)	26,092,246	27,092,153
GRAND TOTAL	37,653,973	38,607,458

MANUFACTURES:

	1960 '000 $	1961 '000 $
Paper and Allied Industries	2,125,895	2,205,734
**Pulp and paper mills*	*1,583,107*	*1,634,606*
Paper box and bag manufacturers	*331,832*	*343,076*
Asphalt roofing manufacturers	*37,013*	*42,162*
Miscellaneous paper converters	*173,942*	*185,890*
Wood Industries	1,007,333	1,035,344
**Sawmills (including shingle mills)*	*546,230*	*550,919*
Sash and door and planing mills (ex. hardwood flooring)	*212,832*	*235,160*
**Veneer and plywood mills*	*137,881*	*143,719*
Furniture and Fixture Industries	341,989	362,062
Household furniture industry	*192,285*	*205,597*
Printing, Publishing and Allied Industries	845,828	872,292
Printing and bookbinding	*243,605*	*230,145*
Printing and publishing	*358,525*	*370,328*
Food and Beverage Industries	4,668,363	4,905,434
Slaughtering and meat packing plants	*1,024,170*	*1,080,913*
Pasteurizing plants	*401,872*	*411,617*
Bakeries	*359,048*	*369,637*
Fruit and vegetable canners and preservers	*307,329*	*328,098*
Butter and cheese plants	*298,709*	*323,900*
Feed manufacturers	*258,537*	*289,661*
Breweries	*250,023*	*259,438*
Flour mills	*222,549*	*220,587*
Soft drink manufacturers	*164,277*	*172,647*
Distilleries	*170,695*	*169,208*
**Fish products industry*	*155,362*	*169,825*
Primary Metal Industries	2,728,774	2,806,484
**Smelting and refining*	*1,506,008*	*1,471,048*
Iron and steel mills	*734,483*	*789,271*
Metal Fabricating Industries (ex. Machinery and Transportation Industries)	1,412,485	1,492,691
Metal stamping, pressing and coating industry	*337,473*	*374,353*
Fabricated structural metal industry	*218,684*	*210,061*
Wire and wire products manufacturers	*200,229*	*220,702*
Machinery Industries (ex. Electrical Machinery)	637,674	639,739
Agricultural implement industry	*152,123*	*138,045*
Miscellaneous machinery and equipment manufacturers	*389,381*	*390,689*
Transportation Equipment Industries	1,999,758	1,960,777
Motor vehicle manufacturers	*969,759*	*870,942*
Aircraft and parts manufacturers	*303,819*	*348,245*
Motor vehicle parts and accessories manufacturers	*288,080*	*352,779*
Railroad rolling stock industry	*216,422*	*182,569*
Shipbuilding and repair	*148,274*	*136,629*
Electrical Products Industries	1,165,737	1,205,534
Manufacturers of electrical industrial equipment	*230,188*	*218,881*
Communications equipment manufacturers	*232,932*	*251,084*
Manufacturers of major appliances (elec. & non-elec.)	*201,108*	*206,212*
Non-metallic Mineral Products Industries	639,090	675,013
**Cement manufacturers*	*95,316*	*107,246*
Ready-mix concrete manufacturers	*101,096*	*105,341*
Concrete products manufacturers	*105,339*	*111,871*
**Clay products manufacturers (from domestic clay)*	*38,034*	*35,169*
**Lime manufacturers*	*11,875*	*12,989*
Glass and glass products manufacturers	*104,033*	*113,154*
Petroleum and Coal Products Industries	1,150,422	1,220,194
Petroleum, refining	*1,117,455*	*1,184,176*
Chemical and Chemical Products Industries	1,357,688	1,433,878
Manufacturers of industrial chemicals	*450,820*	*476,603*
Paint and varnish manufacturers	*147,138*	*152,358*
Manufacturers of soap and cleaning compounds	*158,588*	*172,334*
Manufacturers of pharmaceuticals and medicines	*160,371*	*166,016*
Manufacturers of plastics and synthetic resins	*106,199*	*110,345*
Textile Industries	795,930	875,288
Synthetic textile mills	*216,530*	*248,718*
Cotton yarn and cloth mills	*210,040*	*236,711*
Knitting Mills	199,566	219,296
Clothing Industries	762,967	801,535
Women's clothing factories	*266,410*	*277,478*
Men's clothing factories	*259,461*	*279,089*
Rubber Industries	328,459	331,135
Rubber tire and tube manufacturers	*181,920*	*180,248*
Leather Industries	265,667	291,069
Shoe factories	*160,543*	*173,124*
Tobacco Products Industries	334,370	334,983
Tobacco products manufacturers	*216,515*	*229,956*
Miscellaneous Manufacturing Industries	511,810	574,813
Instrument and related products manufacturers	*103,873*	*123,468*
Plastic fabricators, n.e.s.	*88,345*	*109,180*
Total	23,279,804	24,243,295

*Industries included in both primary and secondary production.

Notes:

1. All principal statistics of manufactures (i.e. nun r of establishments, number of employees, total salaries and wages paid, cost of fuel, electricity and materials used, selling value of factory shipments and ue added by manufacture or net value) shown in this publication for the years 1957 to 1960 have been revised by the Dominion Bureau of Statistics on th basis of the new Standard Industrial Classification adopted as of 1st January 1960 and of the new Establishment (reporting unit) Concept adopted as of 1st January 1961. Because of these changes, principal statistics for years prior to 1957 are not fully comparable with those for the years that follow. However, the comparability of the detailed materials and products statistics (i.e. pulpwood consumption, woodpulp production, consumption and shipments of paper and board) is not affected until 1960, when some establishments classed in other industries ceased to report separately their pulp and paper operations.

2. Since 1952, "value of factory shipments" has replaced "gross value of products" in all manufacturing industries except sawmills, aircraft and parts manufacturers, shipbuilding and repair, railway rolling stock industry, and fabricated structural metal industry; also pulp and paper mills and veneer and plywood mills until 1956. As inventories are relatively small in the industries for which factory shipments are used, the general comparability of the figures is not seriously affected.

3. The gross value of products or of factory shipments given above, is limited to the annual production of commodities, and is not comparable with "gross national product" given in Table 65, which includes transportation, communication, trade, finance, and service activities. The computation is entirely different and the "gross national product" comprises, in addition, depreciation allowances, other similar business costs, and indirect taxes less subsidies.

4. While the statistics of gross production are of interest, indicating the amount of revenue generated by the corporations and operators in the field, the total includes a large element of duplication: often the products of one industry become the materials of other industries. The net value of production obtained by deducting the cost of materials, fuel and electricity is a more accurate measure of the contribution to the national economy.

5. The value of agricultural production includes forest production on farmers' wood lots. As such products are also reported under forestry, the amount of duplication is deducted.

6. A survey of production must differentiate between the more important branches and at the same time present a grand total that will be free from overlapping. For example, the products of pulp and paper mills and veneer and plywood mills are included in forestry production as being the first finished products of commercial value resulting from the productive process. They may, however, be classified under manufactures in view of the nature of the production process. The production of such industries is regarded both as primary and secondary, but the duplication eliminated from the grand total.

Source: Dominion Bureau of Statistics.

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Canadian Pulp and Paper Association
Reference tables

Copies of this book, within a limited number, are available from Canadian Pulp and Paper Association, Sun Life Building, Montreal.